Hardware Support Matrix for Current HP L HP Z1 All-in-one Workstation Linu:		
First time support begins with RHEL6.2 (x86_64) a		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 6.2 or later (x86 & x86_64)	SLED11 SP2 or later (x86_64)
HP Workstation Base System Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•
Localization Kit (See footnote 1)	-	-
HP Localization Kit	•	•
Software Remote Graphics Software		
All Supported Processors		
All Supported Processors (single-CPU configs)	•	•
Hyperthreading	•	•
Graphics Card (Video Card) (See footnote 2) Intel Onboard Graphics	8	8
NVIDIA Quadro Q500M	10	10
NVIDIA Quadro Q1000M	10	10
NVIDIA Quadro Q3000M	10	10
NVIDIA Quadro Q4000M	10	10
System RAM		
Minimum (GB)	2GB	2GB
Maximum (GB) Hard Disks	32GB	32GB
All Supported SSD Disk Drives	•	•
All Supported SATA Disk Drives	•	•
All Supported USB Drive Keys	•	•
Network Cards (no modem support)		
Wireless LAN (Intel Centrino 6230)	•	•
Onboard Components Onboard LAN - Intel 82579 Gigabit Ethernet	•	•
Integrated 6 in 1 Card Reader	•	•
Onboard Audio (IDT 92HD91 codec)	9	9
Onboard SATA RAID	4	4
Add Ons	T	
Removable CD/DVD Media		
HP 8x DVD-ROM Drive	•	•
HP BD-RE (Blu-Ray writer)	•	•
Input/Output Devices (no spaceball support)	- T	
HP Optical Scroll Mouse, USB HP Standard Kevboard. USB	•	•
HP Wireless AIO Keyboard/Mouse	•	•
TPM Module/ Smart Card		
HP Printers	6	6
All Supported Monitors	•	•
footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, / Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ABS Sweden, ABB Int'l English) footnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterp	ACJ India-English, AB0 Taiwan, Ak rise Linux 5", "HP Installer Kit for Lin	6 Europe A4, AC0 Belgi nux - HP Driver CD for R
Hat Enterprise Linux 6" and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterpris select "download drivers and software". footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop c functionality,		
blease visit www.lightscribe.com for software to enable the labeling feature.		
ootnote 4 - Hardware RAID is not supported on SATA drives.	ve.	
ootnote 4 - Hardware RAID is not supported on SATA drives. ootnote 5 - The Z1 CMT can support up to two 2.5-inch SATA drives or one 3.5-inch SATA drives		
ootnote 4 - Hardware RAID is not supported on SATA drives. ootnote 5 - The Z1 CMT can support up to two 2.5-inch SATA drives or one 3.5-inch SATA dri ootnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hp		
ootnote 4 - Hardware RAID is not supported on SATA drives. ootnote 5 - The Z1 CMT can support up to two 2.5-inch SATA drives or one 3.5-inch SATA drives ootnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hp ootnote 7 - Hyperthreading is supported on all platforms when the processor allows it.	lip.net.	
iootnote 4 - Hardware RAID is not supported on SATA drives. iootnote 5 - The Z1 CMT can support up to two 2.5-inch SATA drives or one 3.5-inch SATA drives or one 6 - For more info about Linux driver support for HP printers, please visit http://www.hp iootnote 7 - Hyperthreading is supported on all platforms when the processor allows it. iootnote 8 - Depending on the OS release, the kernel DRM and X.org "intel" driver may not supported on SATA driver of the support of the s	lip.net. oport the Z1 built-in display correctly	

•••	for Current HP Linux Workstat		
HP Z200 SFF V First time support begins with RHEL5.4 (x86 &)	Vorkstation Linux Support	1) and SLED 11 (v86_64)	
Product Items/Features	RH EL DT 5.4 or later	RH EL WS 6.0 or later (x86	
(Blank box or unlisted means the component is NOT supported)	(x86 & x86_64)	& x86_64)	SLED11 or later (x86_64
HP Workstation Base System			
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•
Localization Kit (See footnote 1)			r
HP Localization Kit Software	• •	•	•
Software Remote Graphics Software		Γ	1
All Supported Processors			I
All Supported Processors (1 CPU configs)	•	•	•
Hyperthreading	•	•	•
Graphics Card (Video Card) (See footnote 2)			
No Graphics Card	•	•	•
Intel Onboard Graphics	Vesa Driver Only	Intel Driver Only	Intel Driver Only
NVIDIA Quadro NVS 295	•	•	•
NVIDIA Quadro NVS 300	•	•	•
NVIDIA Quadro FX380 LP (Low Profile)	•	•	•
NVIDIA Quadro Q600	•	•	•
ATI v3800 PCIe - Single Card Supported	•	•	•
System RAM	1 100		
Minimum (GB)	1GB	1GB	1GB
Maximum (GB) Hard Disks	16GB	16GB	16GB
All Supported SAS Disk Drives			1
All Supported SSD Disk Drives	•	•	•
All Supported SATA Disk Drives	•	•	•
All Supported USB Drive Keys	•	•	•
Network Cards (no modem support)	<u>.</u>	-	
Intel Pro 1000 CT Gigabit PCI	•	•	•
Broadcom 5761 PCIe	•	•	•
Onboard Components			
Onboard LAN - Intel 82578DM Gigabit Ethernet	•	•	•
Onboard Audio	•	•	•
Onboard SATA RAID	4	4	4
Add Ons		1	
IEEE 1394A PCI Card		•	•
IEEE 1394A PCI-E Card		•	•
IEEE 1394B PCI-E Card		•	•
SATA Controllers	5	5	5
Creative Sound Blaster X-Fi	•	•	•
Removable CD/DVD Media		-	
HP 16x DVD-ROM Drive HP 16x Super Multi DVD+RW	• 3	• 3	• 3
HP BD-RE (writer)	•	•	•
Input/Output Devices (no spaceball support)			· -
HP 3-Button Mouse, PS/2	•	•	•
HP Scroll Mouse, PS/2	•	•	•
HP Optical Scroll Mouse, USB	•	•	•
HP Standard Keyboard, USB/PS2	•	•	•
TPM Module/ Smart Card			
22 in 1 Card Reader HP Printers	•	•	•
All Supported Monitors	6	6	6
All Supported Molilions	,	•	•
ootnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Ge AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-1 ootnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Ha Jesktop 11" ISO images from http://www.hp.com/support/z200 (substitute correct plat	English, AB0 Taiwan, AK6 Europe A4, A at Enterprise Linux 5.4", and "HP Installe	C0 Belgium, ABS Sweden, AB	B Int'l English).
iootnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 D www.lightscribe.com for software to enable the labeling feature.			pe functionality, please visit
ootnote 4 - Hardware RAID is not supported on SATA drives.			
ootnote 5 - The Z200 SFF can support up to 2 SATA drives.			
	() II .		

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL DT 5.4 or later (x8 & x86_64)	6 RH EL WS 6.0 or later (x86 & x86_64)	SLED11 or later (x86_64)
IP Workstation Base System			
Base system includes: Chassis, System Board, USB, Power Supply, etc. ocalization Kit (See footnote 1)	•	•	•
IP Localization Kit	•	•	•
oftware	-	-	
temote Graphics Software Il Supported Processors			
Al Supported Processors (1 CPU configs)	•	•	•
lyperthreading	•	•	•
Graphics Card (Video Card) (See footnote 2)			
lo Graphics Card ntel Onboard Graphics	Vesa Driver Only	Intel Driver Only	Intel Driver Only
IVIDIA Quadro NVS 295	vesa blivel oliy	Intel Driver Only	•
IVIDIA Quadro NVS 300	•	•	•
IVIDIA Quadro FX380	•	•	•
IVIDIA Quadro FX580	•	•	•
IVIDIA Quadro Q600	•	•	•
IVIDIA Quadro FX1800	•	•	•
IVIDIA Quadro Q2000	•	•	•
TI v3700 PCIe - Single Card Supported	•	•	•
ATI v5700 PCIe - Single Card Supported	•	•	•
ATI v7750 PCIe - Single Card Supported			
ATI v3800 PCIe - Single Card Supported ATI v4800 PCIe - Single Card Supported	•	•	•
TI v5800 PCIe - Single Card Supported		•	•
System RAM			
/inimum (GB)	1GB	1GB	1GB
/laximum (GB)	16GB	16GB	16GB
lard Disks	T	T T	
All Supported SAS Disk Drives			
All Supported SSD Disk Drives	•	•	•
All Supported USB Drive Keys	•	•	•
Network Cards (no modem support)		-	
ntel Pro 1000 CT Gigabit PCI	•	•	•
Broadcom 5761 PCIe Data Components	•	•	•
Dhoard LAN - Intel 82578DM Gigabit Ethernet	•	•	•
Dnboard Audio	•	•	•
Dnboard SATA RAID	4	4	4
EEE 1394A PCI Card		•	•
EEE 1394A PCI-E Card		•	•
EEE 1394B PCI-E Card		•	•
SATA Controllers Creative Sound Blaster X-Fi	5	5	5
Removable CD/DVD Media	•	<u> </u>	
IP 16x DVD-ROM Drive	•	•	•
IP 16x Super Multi DVD+RW	3	3	3
IP BD-RE (writer) nput/Output Devices (no spaceball support)	<u> </u>	•	•
IP 3-Button Mouse, PS/2	· ·	•	•
IP Scroll Mouse, PS/2	•	•	•
IP Optical Scroll Mouse, USB	•	•	•
IP Standard Keyboard, USB/PS2 PM Module/ Smart Card	•	•	•
2 in 1 Card Reader	•	•	•
IP Printers	6	6	6
II Supported Monitors	•	•	•
iootnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Ge (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, AC	J India-English, AB0 Taiwan, AK6 Euro	be A4, AC0 Belgium, ABS Swe	3J Japan, AB2 China eden, ABB Int'l Engli:

footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 4 - Hardware RAID is not supported on SATA drives.

footnote 5 - The Z200 can support up to 3 SATA drives.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Hardware Support Matrix for	Current HP Linux Workstat	ions		
HP Z210 SFF Wor	kstation Linux Support			
First time support begins with RHEL5.6 (x86 & x86_6	4), RHEL6.0 (x86 & x86_64) a	and SLED 11 SP1 (x86_64	.)	
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL DT 5.6 or later (x86 & x86_64)	RH EL WS 6.0 or later (x86 & x86 64)	SLED11 SP1 or later (x86_64)	
HP Workstation Base System	u x00_0 .)		(x00_01)	
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	
Localization Kit (See footnote 1)				
HP Localization Kit	•	•	•	
Software				
Remote Graphics Software		L		
All Supported Processors		Г		
All Supported Processors (1 CPU configs) Hyperthreading	•	•	•	
Graphics Card (Video Card) (See footnote 2)	· ·	• 1	•	
No Graphics Card	•	F	•	
Intel Onboard Graphics	Vesa Driver Only	Intel Driver Only	Intel Driver Only	
NVIDIA Quadro NVS 295	•	Intel Driver Only	•	
NVIDIA Quadro NVS 295 NVIDIA Quadro NVS 300				
NVIDIA Quadro NVS 300 NVIDIA Quadro Q400	•	•	•	
	•	•	•	
NVIDIA Quadro Q600	•	•	•	
ATI v2270 PCIe - Single Card Supported	•	•	•	
ATI v3800 PCIe - Single Card Supported	•	•	•	
System RAM				
Minimum (GB)	1GB	1GB	1GB	
Maximum (GB)	16GB	16GB	16GB	
Hard Disks				
All Supported SAS Disk Drives				
All Supported SSD Disk Drives	•	•	•	
All Supported SATA Disk Drives	•	•	•	
All Supported USB Drive Keys	•	•	•	
Network Cards (no modem support)				
Intel Pro 1000 CT Gigabit PCI	•	•	•	
Broadcom 5761 PCIe	•	•	•	
Onboard Components				
Onboard LAN - Intel 82579LM Gigabit Ethernet	2	2	2	
Onboard Audio	•	•	•	
Onboard SATA RAID	4	4	4	
Add Ons	•			
IEEE 1394A PCI Card		•	•	
IEEE 1394A PCI-E Card		•	•	
IEEE 1394B PCI-E Card		•	•	
USB 3.0 PCI-E Card		•	•	
SATA Controllers	5	5	5	
Creative Sound Blaster X-Fi	•	•	•	
Removable CD/DVD Media		Г — Г — Г		
HP 16x DVD-ROM Drive	•	•	•	
HP 16x Super Multi DVD+RW	3	3	3	
HP BD-RE (writer) Input/Output Devices (no spaceball support)	•	•	•	
HP 3-Button Mouse, PS/2	•	•	•	
HP 3-Bullon Mouse, PS/2 HP Scroll Mouse, PS/2	•	•	•	
HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB	•	•	•	
HP Standard Keyboard, USB/PS2	•	•	•	
TPM Module/ Smart Card			•	
22 in 1 Card Reader	•	•	•	
HP Printers	6	6	6	
All Supported Monitors	•	•	•	

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English)

footnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.4", and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z210 (substitute correct platform name); Select "download drivers and software".

footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 4 - Hardware RAID is not supported on SATA drives.

footnote 5 - The Z210 SFF can support up to 2 SATA drives.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Hardware Support Matrix for Cur	rent HP Linux Workst	ations				
HP Z210 CMT Workstat First time support begins with RHEL5.6 (x86 & x86_64), R	tion Linux Support		64)			
Product Items/Features (Blank box or unlisted means the component is NOT supported) (x86 & x86_64) & x86_64) SLEE						
HP Workstation Base System			· - ·			
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•			
Localization Kit (See footnote 1)						
HP Localization Kit	•	•	•			
Software Remote Graphics Software						
All Supported Processors						
All Supported Processors (1 CPU configs)	т.	•	•			
Hyperthreading	•	•	•			
Graphics Card (Video Card) (See footnote 2)		· ·				
No Graphics Card	•	•	•			
Intel Onboard Graphics	Vesa Driver Only	Intel Driver Only	Intel Driver Only			
NVIDIA Quadro NVS 295	•	•	•			
NVIDIA Quadro NVS 300	•	•	•			
NVIDIA Quadro Q400	•	•	•			
NVIDIA Quadro Q600	•	•	•			
NVIDIA Quadro Q2000	•	•	•			
ATI v2270 PCIe - Single Card Supported	•	•	•			
ATI v3800 PCIe - Single Card Supported	•	•	•			
ATI v4800 PCIe - Single Card Supported	•	•	•			
ATI v4900 PCIe - Single Card Supported	•	•	•			
ATI v5800 PCIe - Single Card Supported	•	•	•			
ATI v5900 PCIe - Single Card Supported ATI v7900 PCIe - Single Card Supported	•	•	•			
System RAM	-	· · ·	•			
Minimum (GB)	1GB	1GB	1GB			
Maximum (GB)	16GB	16GB	16GB			
Hard Disks						
All Supported SAS Disk Drives						
All Supported SSD Disk Drives	•	•	•			
All Supported SATA Disk Drives	•	•	•			
All Supported USB Drive Keys	•	•	•			
Network Cards (no modem support)						
Intel Pro 1000 CT Gigabit PCI	•	•	•			
Broadcom 5761 PCIe	•	•	•			
Onboard Components						
Onboard LAN - Intel 82579LM Gigabit Ethernet	2	2	2			
Onboard Audio	•	• 4	• 4			
Onboard SATA RAID Add Ons	4	4	4			
IEEE 1394A PCI Card		•	•			
IEEE 1394A PCI-E Card	1	•	•			
IEEE 1394B PCI-E Card		•	•			
USB 3.0 PCI-E Card		•	•			
SATA Controllers	5	5	5			
Creative Sound Blaster X-Fi	•	•	•			
Removable CD/DVD Media HP 16x DVD-ROM Drive	1 .		•			
HP 16x DVD-ROM Drive HP 16x Super Multi DVD+RW	• 3	• 3	3			
HP BD-RE (writer)	•	•	•			
Input/Output Devices (no spaceball support)		· · · · ·				
HP 3-Button Mouse, PS/2	•	•	•			
HP Scroll Mouse, PS/2	•	•	•			
HP Optical Scroll Mouse, USB	•	•	•			
HP Standard Keyboard, USB/PS2	•	•	•			
TPM Module/ Smart Card	-					
22 in 1 Card Reader HP Printers	• 6	• 6	• 6			
All Supported Monitors	•	•	•			
An experted monitora	· ·	-	-			

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English)

tootnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.4", and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z210 (substitute correct platform name); Select "download drivers and software".

footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 4 - Hardware RAID is not supported on SATA drives.

footnote 5 - The Z210 CMT can support up to 2 SATA drives.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Hardware Support Matrix for C	urrent HP Linux Worksta	tions				
HP Z220 SFF Works						
First time support begins with RHEL5.8 (x86_64),		ED 11 SP2 (x86 64)				
RH EL DT 5.8 or later RH EL WS 6.2 or later SLED11 SP2						
Product Items/Features (Blank box or unlisted means the component is NOT supported)	(x86_64)	(x86_64)	(x86_64)			
HP Workstation Base System						
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•			
Localization Kit (See footnote 1)		TT				
HP Localization Kit	•	•	•			
Software		Т				
Remote Graphics Software		1				
II Supported Processors II Supported Processors (single-CPU configs)	-	I	-			
Ivperthreading	•	•	•			
Braphics Card (Video Card) (See footnote 2)	•	•	•			
No Graphics Card (Video Card) (See roothote 2)	· ·	•	•			
ntel Onboard Graphics	Vesa Driver Only	•	8			
IVIDIA NVS 300	vesa Driver Only	•	•			
	-					
IVIDIA Quadro NVS 310	•	•	•			
IVIDIA Quadro Q600	•	•	•			
\TI v2270	•	•	•			
TI v3900	•	•	•			
ystem RAM						
linimum (GB)	2GB	2GB	2GB			
faximum (GB)	32GB	32GB	32GB			
lard Disks		-				
ATA Controllers	5	5	5			
II Supported SAS Disk Drives						
Il Supported SSD Disk Drives	•	•	•			
Il Supported SATA Disk Drives	•	•	•			
Il Supported USB Drive Keys	•	•	•			
letwork Cards (no modem support)	•	<u> </u>	-			
ntel GbE CT NIC	•	•	•			
Broadcom NetXtreme PCIe	-		•			
Dhoard Components	·					
Dhoard LAN - Intel 82579 Gigabit Ethernet	2	•	•			
Inboard Audio	•	•	•			
Inboard SATA RAID	4	4	4			
dd Ons		<u> </u>				
EEE 1394B PCI-E Card		•	•			
ISB 3.0 PCI-E Card		•	•			
Removable CD/DVD Media		<u> </u>				
P 16x DVD-ROM Drive	•	•	•			
IP 16x Super Multi DVD+RW	3	3	3			
P BD-RE (writer)	•	•	•			
uput/Output Devices (no spaceball support)	-	•				
IP Mouse, PS/2 or USB	•	•	•			
IP Optical Scroll Mouse, USB	•	•	•			
IP Standard Keyboard, USB/PS2	•	•	•			
PM Module/ Smart Card	1	1				
2 in 1 Card Reader	•	•	•			
IP Printers	6	6	6			
All Supported Monitors	•	•	•			

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English) footnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5", "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z220; select "download drivers and software". footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature. footnote 4 - Hardware RAID is not supported on SATA drives.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

footnote 7 - Hyperthreading is supported on all platforms when the processor allows it.

footnote 8 - Depending on the OS release, the kernel DRM and X.org "intel" driver may not support the Intel graphics correctly.

Hardware Support Matrix for Curr	rent HP Linux Worksta	tions									
HP Z220 CMT Workstat	tion Linux Support										
First time support begins with RHEL5.8 (x86_64), R		LED 11 SP2 (x86 64)									
	RH EL DT 5.8 or later RH EL WS 6.2 or later SLED11 SP2							RH EL DT 5.8 or later RH EL WS 6.2 or later			
Product Items/Features (Blank box or unlisted means the component is NOT supported)	(x86_64)	(x86_64)	(x86_64)								
HP Workstation Base System Base system includes: Chassis, System Board, USB, Power Supply, etc.		•	•								
Localization Kit (See footnote 1)	•	•	•								
HP Localization Kit	•	•									
Software			-								
Remote Graphics Software											
All Supported Processors	-										
All Supported Processors (single-CPU configs)	•	•	•								
Hyperthreading	•	•	•								
Graphics Card (Video Card) (See footnote 2)											
No Graphics Card	•	•	•								
Intel Onboard Graphics	Vesa Driver Only	8	8								
NVIDIA NVS 300	•	•	•								
NVIDIA Quadro NVS 310	•	•	•								
NVIDIA Quadro Q600	•	•	•								
NVIDIA Quadro Q2000	•	•	•								
NVIDIA Quadro Q4000	•	•	•								
ATI v2270		•	•								
ATI v3900	•	•	•								
ATI v4900	•	•	•								
ATI v5900	•	•	•								
ATI v7900	•	•	•								
System RAM											
Minimum (GB)	2GB	2GB	2GB								
Maximum (GB)	32GB	32GB	32GB								
Hard Disks											
SATA Controllers	5	5	5								
All Supported SAS Disk Drives											
All Supported SSD Disk Drives	•	•	•								
All Supported SATA Disk Drives	•	•	•								
All Supported USB Drive Keys	•	•	•								
Network Cards (no modem support)											
Intel GbE CT NIC	•	•	•								
Broadcom NetXtreme PCIe		•	•								
Onboard Components			· · ·								
Onboard LAN - Intel 82579 Gigabit Ethernet	2	•	•								
Onboard Audio	•	•	•								
Onboard SATA RAID	4	4	4								
Add Ons											
IEEE 1394B PCI-E Card		•	•								
USB 3.0 PCI-E Card		•	•								
Removable CD/DVD Media	-										
HP 16x DVD-ROM Drive	•	•	•								
HP 16x Super Multi DVD+RW	3	3	3								
HP BD-RE (writer) Input/Output Devices (no spaceball support)	•	•	•								
HP Mouse, PS/2 or USB	· · ·	•	•								
HP Mouse, PS/2 of USB HP Optical Scroll Mouse, USB	•	•	•								
HP Standard Kevboard. USB/PS2		•	•								
	•										
	•	•									
TPM Module/ Smart Card	•	•	•								

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English)

footnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 6" and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/2220; select "download drivers and software".

footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 4 - Hardware RAID is not supported on SATA drives.

footnote 5 - The Z210 CMT can support up to 2 SATA drives.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

footnote 7 - Hyperthreading is supported on all platforms when the processor allows it.

footnote 8 - Depending on the OS release, the kernel DRM and X.org "intel" driver may not support the Intel graphics correctly.

Hardware Suppor	t Matrix for Current HP Linux V	Vorkstations		
HP 2 First time support begins with RHEL4.7 (x86 & x86	Z400 Workstation Linux Support 64), RHEL5.3 (x86 & x86_64), R	HEL6.0 (x86 & x86_64) and SLED 11 (x86_64	.)
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 4.8 or later (x86 & EM64T)	RH EL DT 5.3 or later (x86 & x86 64)	, (<u></u>	SLED11 or later (x86 64)
HP Workstation Base System Base system includes: Chassis, System Board, USB, Power Supply, etc. Localization Kit (See footole 1)	· ·	•	• 1	•
HP Localization Kit	•	•	•	•
Software Remote Graphics Software			1	
All Supported Processors				
All Supported Processors (1 CPU configs)	•	•	•	•
Hyperthreading Graphics Card (Video Card) (See footnote 2)	· ·	•	•	•
No Graphics Card	•	•	•	•
NVIDIA Quadro NVS 295 NVIDIA Quadro NVS 300	•	•	•	•
NVIDIA Quadro NVS 300 NVIDIA Quadro NVS 450	•	•	•	•
NVIDIA Quadro FX380	•	•	•	•
NVIDIA Quadro 400	•	•	•	•
NVIDIA Quadro FX580	•	•	•	•
NVIDIA Quadro 600 NVIDIA Quadro FX1800	•	•	•	•
NVIDIA Quadro 2000	•	•	•	•
NVIDIA Quadro FX3800	•	•	•	•
NVIDIA Quadro 4000 NVIDIA Quadro FX4800	•	•	•	•
NVIDIA Quadro 5000	•	•	•	•
NVIDIA Tesla C2075		•	•	•
ATI v2270 PCIe - Single Card Supported ATI v3700 PCIe - Single Card Supported	•	•	•	•
ATI v5700 PCIe - Single Card Supported	•	•	•	•
ATI v7750 PCle - Single Card Supported ATI v3800 PCle - Single Card Supported	•	•	•	•
ATI v3000 PCIe - Single Card Supported ATI v3900 PCIe - Single Card Supported	•	•	•	•
ATI v4800 PCIe - Single Card Supported	•	•	•	•
ATI v4900 PCIe - Single Card Supported	•	•	•	•
ATI v5800 PCIe - Single Card Supported ATI v5900 PCIe - Single Card Supported	•	•	•	•
ATI v7900 PCle - Single Card Supported		•	•	•
System RAM	•			
Minimum (GB)	1GB	1GB	1GB	1GB
Maximum (GB) Hard Disks	24GB	24GB	24GB	24GB
All Supported SAS Disk Drives	4	4	4	4
All Supported SSD Disk Drives	•	•	•	•
All Supported SATA Disk Drives	4,5	4,5	4,5	4,5
All Supported USB Drive Keys Network Cards (no modem support)	· ·	•	•	•
Broadcom 5761 PCIe	•	•	•	•
Intel Pro 1000 CT Gigabit PCI Intel NC360T PCIe Dual Port Gigabit NIC	•	•	•	•
Onboard Components	· ·	•	•	•
Onboard LAN - Broadcom 5764 10/100/1000	•	•	•	•
Onboard Audio Onboard SATA RAID	• 4	• 4	• 4	• 4
Add Ons	4			
LSI 3041E SAS Card	4	4	4	4
LSI 8888 ELP LSI 9212-4i	4 4	4 4	4	4 4
LSI 9260-8i	4	4	4	4
IEEE 1394A PCI Card			•	•
IEEE 1394A PCI-E Card IEEE 1394B PCI-E Card			•	•
USB 3.0 PCI-E Card			•	•
Creative Sound Blaster X-Fi Removable CD/DVD Media			•	•
HP 16x DVD-ROM Drive	•	•	• 1	•
HP 16x Super Multi DVD+RW	3	3	3	3
HP BD-RE (writer) Input/Output Devices (no spaceball support)	•	•	•	•
HP 3-Button Mouse, PS/2	•	•	•	•
HP Scroll Mouse, PS/2	•	•	•	•
HP Optical Scroll Mouse, USB HP Standard Keyboard, USB/PS2	•	•	•	•
TPM Module/ Smart Card	•	•	•	•
22 in 1 Card Reader		•	•	•
HP Printers	6	6	6	6
All Supported Monitors	•	•	•	•

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English).

footnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.7", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.3", and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterpise Desktop 11" ISO images from http://www.hp.com/support/z400 (substitute correct platform name); Select "download drivers and software".

footnote 3 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL WS 4 or later, Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 4 - Hardware RAID is supported using the LSI 3041E (RAID 0,1 SAS only), LSI 8888 ELP (RAID 0, 1, 5 SAS only), LSI 9212 (RAID 0,1 SAS only) and the LSI 9260-8i (RAID 0, 1, 5 SAS only). SATA RAID is not supported.

footnote 5 - The Z400 can support up to 4 SATA drives. To support the third and fourth SATA drives, you must acquire the Optical Bay Conversion Kit for each drive.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

footnote 7 - Hyperthreading is supported on platforms when the processor allows it. There are one or two low-end processors which do not support turbo mode or hyperthreading.

Hardware Support Matrix for Curr	rent HP Linux Workstations	,	
HP Z420 Workstatior First time support begins with RHEL5.8 (x86_64), R	n Linux Support		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL DT 5.8 or later (x86_64)	RH EL WS 6.2 or later (x86 64)	SLED11 SP2 or later (x86_64)
HP Workstation Base System	(x00_04)	(x00_04)	
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•
Localization Kit (See footnote 1)		-	-
HP Localization Kit	•	•	•
Software Remote Graphics Software		[[
All Supported Processors			
All Supported Processors	•	•	•
Hyperthreading Firmware features	•	•	•
CSM (Compatibility Support Module) Mode	•	•	•
2.1 UEFI Mode		•	•
Intel AMT remote manageability Graphics Card (Video Card)			
No Graphics Card	· ·	•	•
NVIDIA Quadro NVS 300	•	•	•
NVIDIA Quadro NVS 310	•	•	•
NVIDIA Quadro NVS 450	•	•	•
NVIDIA Quadro 600	•	•	•
NVIDIA Quadro 2000	•	•	•
NVIDIA Quadro 4000 NVIDIA Quadro 5000	•	•	•
NVIDIA Quadro 6000	•	•	•
NVIDIA Tesla C2075	•	•	•
ATI v2270 PCIe	•	•	•
ATI v3900 PCIe ATI v4900 PCIe	•	•	•
ATI v5900 PCIe	•	•	•
ATI v7900 PCIe	•	•	•
System RAM Minimum (GB)	2GB	2GB	2GB
Maximum (GB)	64GB	64GB	64GB
Hard Disks			
All Supported SAS Disk Drives All Supported SSD Disk Drives	5	5	5
All Supported SSD Disk Drives	• 5	• 5	• 5
All Supported USB Drive Keys	•	•	•
Network Cards (no modem support)			
Broadcom 5761 PCIe Intel Pro 1000 CT Gigabit PCI	•	•	•
HP NC360T PCIe Dual Port Gigabit NIC	2	2	2
Onboard Components		1	
Onboard LAN - Intel 52579LM Gigabit Onboard SATA RAID	• 5	• 5	• 5
Onboard SAS RAID	5	5	5
Add Ons			
IEEE 1394B PCI-E Card		•	•
LSI 9212-4i LSI 9260-8i	5 2	5	5 2
Removable CD/DVD Media			<u> </u>
HP 16x DVD-ROM Drive	•	•	•
HP 16x Super Multi DVD+RW HP BD-RE (Blu-Ray writer)	4	•	•
Input/Output Devices (no spaceball support)		· - ·	-
HP 3-Button Mouse, PS/2	•	•	•
HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB	•	•	•
HP Optical Scroll Mouse, USB HP Standard Keyboard, USB/PS2	•	•	•
TPM Module/ Smart Card			
22 in 1 Card Reader	•	•	•
HP Printers All Supported Monitors	6	6	6 •
All Supported Monitors	!	•	•

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 6" and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z420 (substitute correct platform name); select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later, Red Hat EL WS 6 or later, and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 5 - Hardware RAID is supported using the LSI 9212-4i (RAID 0, 1, 10 SATA & SAS), LSI 9260-8i (RAID 0, 1, 5, 10 SATA & SAS). SATA RAID is now supported on AHCI ports(0,1,5,10) and SCU ports(0,1,5,10)

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Hardware Support Ma	atrix for Current HP Linux Wo	rkstations		
HP Z600 First time support begins with RHEL4.7 (x86 & x86_64),) Workstation Linux Support RHEL5.3 (x86 & x86_64), RHE	L6.0 (x86 & x86_64) ;	and SLED 11 (x86_64	4)
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 4.8 or later (x86 & EM64T)	RH EL DT 5.3 or later (x86 & x86 64)	RH EL WS 6.0 or later (x86 & x86 64)	SLED11 or later (x86 64)
HP Workstation Base System	• • • • • • • • • • • • •			
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•
Localization Kit (See footnote 1)		I.		
HP Localization Kit Software	•	•	•	•
Remote Graphics Software	•	•	•	•
All Supported Processors				
All Supported Processors (1 & 2 CPU configs) Hyperthreading	•	•	•	•
Graphics Card (Video Card) (See footnote 2)		•	•	•
No Graphics Card	•	•	•	•
NVIDIA Quadro NVS 295	•	•	•	•
NVIDIA Quadro NVS 300	•	•	•	•
NVIDIA Quadro NVS 450 NVIDIA Quadro FX380	•	•	•	•
NVIDIA Quadro 1 X300	•	•	•	•
NVIDIA Quadro FX580	•	•	•	•
NVIDIA Quadro 600	•	•	•	•
NVIDIA Quadro FX1800	•	•	•	•
NVIDIA Quadro 2000 NVIDIA Quadro FX3800	•	•	•	•
NVIDIA Quadro FX3800 NVIDIA Quadro 4000	•	•	•	•
NVIDIA Quadro FX4800	•	•	•	•
NVIDIA Quadro 5000	•	•	•	•
NVIDIA Quadro 6000 ATI v2270 PCIe - Single Card Supported	•	•	•	•
ATT v3700 PCIe - Single Card Supported ATT v3700 PCIe - Single Card Supported	•	•	•	•
ATI v5700 PCIe - Single Card Supported		•	•	•
ATI v7750 PCIe - Single Card Supported	•	•	•	•
ATI v3800 PCIe - Single Card Supported	•	•	•	•
ATI v3900 PCIe - Single Card Supported ATI v4800 PCIe - Single Card Supported	•	•	•	•
ATI v4000 PCIe - Single Card Supported	•	•	•	•
ATI v5800 PCIe - Single Card Supported	•	•	•	•
ATI v5900 PCIe - Single Card Supported		•	•	•
ATI v7900 PCIe - Single Card Supported		•	•	•
System RAM				-
Minimum (GB)	1GB	1GB	1GB	1GB
Maximum (GB) Hard Disks	48GB	48GB	48GB	48GB
All Supported SAS Disk Drives	5	5	5	5
All Supported SSD Disk Drives	•	•	•	•
All Supported SATA Disk Drives	5	5	5	5
All Supported USB Drive Keys	•	•	•	•
Network Cards (no modem support) Broadcom 5761 PCIe		-	-	-
Intel Pro 1000 CT Gigabit PCI	•	•	•	•
Intel NC360T PCIe Dual Port Gigabit NIC	•	•	•	•
Onboard Components				
Onboard LAN - Broadcom 5764 10/100/1000 Onboard Audio	•	•	•	•
Onboard Audio Onboard SATA RAID	• 5	• 5	• 5	• 5
Add Ons		· · · · ·	~	· · ·
LSI 3041E SAS Card	5	5	5	5
LSI 8888 ELP	5	5	5	5 5
LSI 9212-4i LSI 9260-8i	5	5	5	5
IEEE 1394A PCI Card		<u> </u>	•	•
IEEE 1394A PCI-E Card			•	•
IEEE 1394B PCI-E Card			•	•
USB 3.0 PCI-E Card Creative Sound Blaster X-Fi		•	•	•
Removable CD/DVD Media		-	-	• •
HP 16x DVD-ROM Drive	•	•	•	•
HP 16x Super Multi DVD+RW	4	4	4	4
HP BD-RE (writer) Input/Output Devices (no spaceball support)	•	•	•	•
HP 3-Button Mouse, PS/2	•	•	•	•
HP Scroll Mouse, PS/2	•	•	•	•
HP Optical Scroll Mouse, USB	•	•	•	•
HP Standard Keyboard, USB/PS2 TPM Module/ Smart Card	•	•	•	•
22 in 1 Card Reader		•	•	•
HP Printers	6	6	6	6
All Supported Monitors				
, a capportea mornero	•	•	•	•

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.7", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.3", and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterpise Desktop 11" ISO images from http://www.hp.com/support/z600 (substitute correct platform name); Select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL WS 4 or later, Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 5 - Hardware RAID is supported using the LSI 3041E (RAID 0,1 SAS only), LSI 8888 ELP (RAID 0, 1, 5 SAS only), LSI 9212 (RAID 0,1 SAS only), and the LSI 9260-8i (RAID 0, 1, 5 SAS only). SATA RAID is not supported.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

footnote 7 - Hyperthreading is supported on platforms when the processor allows it. There are one or two low-end processors which do not support turbo mode or hyperthreading.

Hardware Support Matrix for Curr	rent HP Linux Workstations				
HP Z620 Workstatior First time support begins with RHEL5.8 (x86_64), R		1 SP2 (x86_64)			
Product Items/Features RH EL DT 5.8 or later RH EL WS 6.2 or later SLEE					
(Blank box or unlisted means the component is NOT supported)	(x86_64)	(x86_64)	later (x86_64)		
HP Workstation Base System					
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•		
Localization Kit (See footnote 1)					
HP Localization Kit Software	•	•	•		
Remote Graphics Software					
All Supported Processors					
All Supported Processors (1 & 2 CPU configs) Hyperthreading	•	•	•		
Firmware features		•	•		
CSM (Compatibility Support Module) Mode	•	•	•		
2.1 UEFI Mode		•	•		
Intel AMT remote manageability Graphics Card (Video Card)					
No Graphics Card	•	•	•		
NVIDIA Quadro NVS 300	•	•	•		
NVIDIA Quadro NVS 310	•	•	•		
NVIDIA Quadro NVS 450	•	•	•		
NVIDIA Quadro 600	•	•	•		
NVIDIA Quadro 2000 NVIDIA Quadro 4000	•	•	•		
NVIDIA Quadro 4000 NVIDIA Quadro 5000	•	•	•		
NVIDIA Quadro 6000	•	•	•		
NVIDIA Tesla C2075	•	•	•		
ATI v2270 PCIe ATI v3900 PCIe	•	•	•		
ATI v4900 PCIe	•	•	•		
ATI v5900 PCIe	•	•	•		
ATI v7900 PCIe	•	•	•		
System RAM Minimum (GB)	2GB	2GB	2GB		
Maximum (GB)	96GB	96GB	96GB		
Hard Disks					
All Supported SAS Disk Drives	5	5	5		
All Supported SSD Disk Drives All Supported SATA Disk Drives	• 5	• 5	5		
All Supported USB Drive Keys	•	•	•		
Network Cards (no modem support)			- F		
Broadcom 5761 PCIe Intel Pro 1000 CT Gigabit PCI	•	•	•		
HP NC360T PCIe Dual Port Gigabit NIC	2	2	2		
Onboard Components					
Onboard LAN - Intel 52574L Gigabit	•	•	•		
Onboard LAN - Intel 52579LM Gigabit Onboard Audio	•	•	•		
Onboard SATA RAID	5	5	5		
TPM Module/ Smart Card					
USB 3.0 support		•	•		
Add Ons IEEE 1394B PCI-E Card	1	•	•		
LSI 9212-4i	5	5	5		
LSI 9260-8i	2	2	2		
Removable CD/DVD Media HP 16x DVD-ROM Drive	•	-	•		
HP 16X DVD-ROM Drive HP 16x Super Multi DVD+RW Drive	• 4	• 4	• 4		
HP Slot Load DVD +/-RW Drive	4	4	4		
	•	•	•		
HP BD-RE (Blu-Ray writer)					
Input/Output Devices (no spaceball support)		-	T -		
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	•	•	•		
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB		• • •	•		
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB HP Standard Keyboard, USB/PS2	•	•	•		
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB HP Standard Keyboard, USB/PS2 TPM Module/ Smart Card	• • • • •	•	•		
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB HP Standard Keyboard, USB/PS2	•	•	•		

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 6" and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z620; select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL WS 4 or later, Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 5 - Hardware RAID is supported using the LSI 9212-4i (RAID 0, 1, 10 SATA & SAS), LSI 9260-8i (RAID 0, 1, 5 SATA & SAS). SATA RAID is now supported on AHCI ports(0,1,5,10) and SCU ports(0,1,5,10)

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Hardware Support Mat	rix for Current HP Linux Wo	orkstations		
HP Z800 First time support begins with RHEL4.7 (x86 & x86_64), R	Workstation Linux Support RHEL5.3 (x86 & x86_64), RHE	EL6.0 (x86 & x86_64)	and SLED 11 (x86_6	4)
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 4.8 or later (x86 & EM64T)	RH EL DT 5.3 or later (x86 & x86 64)	RH EL WS 6.0 or later (x86 & x86 64)	SLED11 or later (x86 64)
HP Workstation Base System				(x00 04)
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•
Localization Kit (See footnote 1) HP Localization Kit	•	· ·	· ·	•
Software	· · ·	•	· ·	· ·
Remote Graphics Software				
All Supported Processors All Supported Processors (1 & 2 CPU configs)	•	•	•	•
Hyperthreading	•	•	•	•
Graphics Card (Video Card) (See footnote 2) No Graphics Card	•	•	· ·	•
NVIDIA Quadro NVS 295	•	•	•	•
NVIDIA Quadro NVS 300	•	•	•	•
NVIDIA Quadro NVS 450 NVIDIA Quadro FX380	•	•	•	•
NVIDIA Quadro 400	•	•	•	•
NVIDIA Quadro FX580	•	•	•	•
NVIDIA Quadro 600 NVIDIA Quadro FX1800	•	•	•	•
NVIDIA Quadro 1X1000 NVIDIA Quadro 2000	•	•	•	•
NVIDIA Quadro FX3800	•	•	•	•
NVIDIA Quadro 4000 NVIDIA Quadro FX4800	•	•	•	•
NVIDIA Quadro 5000	•	•	•	•
NVIDIA Quadro FX5800 NVIDIA Quadro 6000	•	•	•	•
Tesla C1060	•	•	•	•
Tesla 3GB C2050	•	•	•	•
NVIDIA Tesla C2075 ATI v2270 PCIe - Single Card Supported	•	•	•	•
ATI v3700 PCIe - Single Card Supported	•	•	•	•
ATI v5700 PCIe - Single Card Supported ATI v7750 PCIe - Single Card Supported	•	•	•	•
ATI v3800 PCIe - Single Card Supported	•	•	•	•
ATI v3900 PCIe - Single Card Supported ATI v4800 PCIe - Single Card Supported	•	•	•	•
ATI v4900 PCIe - Single Card Supported		•		
ATI v5800 PCle - Single Card Supported	•	•	•	•
ATI v5900 PCIe - Single Card Supported ATI v7900 PCIe - Single Card Supported		•	•	•
ATI v8800 PCIe - Single Card Supported	•	•	•	•
System RAM Minimum (GB)	1GB	1GB	1GB	1GB
Maximum (GB)	192GB	192GB	192GB	192GB
Hard Disks All Supported SAS Disk Drives	5	5	5	5
All Supported SSD Disk Drives	•	•	•	•
All Supported SATA Disk Drives All Supported USB Drive Keys	5	5	5	5
Network Cards (no modem support)	· ·	- ·	<u> </u>	
Broadcom 5764 PCIe	•	•	•	•
Intel Pro 1000 CT Gigabit PCI Intel NC360T PCIe Dual Port Gigabit NIC	•	•	•	•
Intel Pro 1000 GT Gigabit PCI	•	•	•	•
Onboard Components Onboard LAN - Broadcom 5764 10/100/1000	•	•	•	· ·
Onboard Audio	•	•	•	•
Onboard SATA RAID Onboard SAS RAID	5	5	5	5
Add Ons	J	5	5	5
IEEE 1394A PCI Card			•	•
IEEE 1394A PCI-E Card IEEE 1394B PCI-E Card			•	•
USB 3.0 PCI-E Card			•	•
Creative Sound Blaster X-Fi LSI 8888 ELP	5	• 5	• 5	• 5
LSI 9260-8i	5	5	5	5
Removable CD/DVD Media HP 16x DVD-ROM Drive	· ·	•	•	•
HP 16x DVD-ROM Drive HP 16x Super Multi DVD+RW	• 4	4	4	4
HP BD-RE (writer)	•	•	•	•
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	•	•	•	•
HP Scroll Mouse, PS/2	•	•	•	•
HP Optical Scroll Mouse, USB HP Standard Keyboard, USB/PS2	•	•	•	•
TPM Module/ Smart Card				
22 in 1 Card Reader HP Printers	6	• 6	• 6	• 6
All Supported Monitors	•	•	•	•

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.7", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.3", and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z800 (substitute correct platform name); select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL WS 4 or later, Red Hat EL 5 Desktop or later and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 5 - Hardware RAID is supported using the LSI 8888 ELP (RAID 0,1, 5 SAS only), LSI 8888 ELP (RAID 0, 1, 5 SAS only), LSI 9260-8i (RAID 0, 1, 5 SAS only), and the Onboard SAS RAID (RAID 0,1,). SATA RAID is not supported.

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

footnote 7 - Hyperthreading is supported on platforms when the processor allows it. There are one or two low-end processors which do not support turbo mode or hyperthreading.

Hardware Support Matrix for Cu	rrent HP Linux Workstations	i	
HP Z820 Workstation First time support begins with RHEL5.8 (x86_64),	on Linux Support		
Product Items/Features	RHEL0.2 (X86_64) and SLED	· = /	er SLED11 SP2 or
(Blank box or unlisted means the component is NOT supported)	(x86_64)	(x86_64)	later (x86_64)
HP Workstation Base System			
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•
Localization Kit (See footnote 1) HP Localization Kit	•	•	•
Software		•	•
Remote Graphics Software			
All Supported Processors All Supported Processors (1 & 2 CPU configs)		-	
Hyperthreading	•	•	•
Firmware features	•		
CSM (Compatibility Support Module) Mode	•	•	•
2.1 UEFI Mode Intel AMT remote manageability		•	•
Graphics Card (Video Card)			
No Graphics Card	•	•	•
NVIDIA Quadro NVS 300	•	•	•
NVIDIA Quadro NVS 310	•	•	•
NVIDIA Quadro NVS 450	2	2	2
NVIDIA Quadro 600	•	•	•
NVIDIA Quadro 2000 NVIDIA Quadro 4000	•	•	•
NVIDIA Quadro 5000		•	•
NVIDIA Quadro 6000	•	•	•
NVIDIA Tesla C2075	•	•	•
AMD v2270 PCIe AMD v3900 PCIe	•	•	•
AMD v4900 PCIe	•	•	•
AMD v5900 PCIe	•	•	•
AMD v7900 PCIe System RAM	• •	•	•
Minimum (GB)	2GB	2GB	2GB
Maximum (GB)	512GB	512GB	512GB
Hard Disks			
All Supported SAS Disk Drives All Supported SSD Disk Drives	•	•	•
All Supported SATA Disk Drives	•	•	•
All Supported USB Drive Keys	•	•	•
Network Cards (no modem support) Broadcom 5761 PCIe			1
Intel Pro 1000 CT Gigabit PCI	•	•	•
HP NC360T PCIe Dual Port Gigabit NIC	2	2	2
Onboard Components		Г	
Onboard LAN - Intel 52574L Gigabit Onboard LAN - Intel 52579LM Gigabit	•	•	•
Onboard Audio	•	•	•
Onboard SATA AHCI RAID	5	5	5
Onboard SCU RAID	5	5	5
Onboard SAS RAID TPM Module/ Smart Card	5	5	5
USB 3.0 support		•	•
Add Ons			-
IEEE 1394B PCI-E Card		•	•
LSI 9260-8i Removable CD/DVD Media	5	5	5
HP 16x DVD-ROM Drive	•	•	•
HP 16x Super Multi DVD+RW	4	4	4
HP Slot Load DVD +/-RW Drive HP BD-RE (Blu-Ray writer)	•	•	•
Input/Output Devices (no spaceball support)	•	•	•
HP 3-Button Mouse, PS/2	•	•	•
HP Scroll Mouse, PS/2	•	•	•
HP Optical Scroll Mouse, USB	•	•	•
HP Standard Keyboard, USB/PS2 22 in 1 Card Reader	•	•	•
HP Printers	6	6	6

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footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5", "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 6" and "HP Installer Kit for Linux - HP Driver CD for SuSE Linux Enterprise Desktop 11" ISO images from http://www.hp.com/support/z820 (substitute correct platform name); select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW and Blu-ray media on Red Hat EL 5 Desktop or later, Red Hat EL WS 6 or later, and SLED11 or later. For drives that have the Lightscribe functionality, please visit www.lightscribe.com for software to enable the labeling feature.

footnote 5 - Hardware RAID is supported using the LSI 9212-4i (RAID 0, 1, 10 SATA & SAS), LSI 9260-8i (RAID 0, 1, 5 SATA & SAS), and on-board LSI 2308 (RAID 0, 1, 10 SATA & SAS). SATA RAID is now supported on AHCI ports(0,1,5,10) and SCU ports(0,1,5,10)

footnote 6 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

Hardware Support Ma	trix for Current HP Linux Workstat	ions	
	orkstation Red Hat Linux Support		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 4.6 or later (x86 & EM64T)		SLED11 or later (x86_64)
HP Workstation Base System	EW(641)	<u>x86_64)</u>	
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•
Localization Kit (See footnote 1) HP Localization Kit	•	•	•
Software		· ·	•
Remote Graphics Software			
All Supported Processors			
All Supported Processors (1 & 2 CPU configs) Hyperthreading	•	•	•
Graphics Card (Video Card) (See footnote 3)			
No Graphics Card	•	•	•
NVIDIA Quadro NVS 290	•	•	•
NVIDIA Quadro NVS 295	•	•	•
NVIDIA Quadro NVS440	•	•	•
NVIDIA Quadro NVS450 NVIDIA Quadro FX370	•	•	•
NVIDIA Quadro FX370 NVIDIA Quadro FX380	•	•	•
NVIDIA Quadro FX570	•	•	•
NVIDIA Quadro FX580	•	•	•
NVIDIA Quadro FX1700	•	•	•
NVIDIA Quadro FX1800	•	•	•
NVIDIA Quadro FX3700	•	•	•
NVIDIA Quadro FX3800 NVIDIA Quadro FX4600	•	•	•
NVIDIA Quadro FX4800 NVIDIA Quadro FX4800	•	•	•
NVIDIA Quadro FX5800	•	•	•
SLI Graphics Connector			
ATI v5600 PCIe			
ATI v5700 PCIe ATI v7700 PCIe			
ATI v7750 PCIe			
System RAM			
Minimum (MB)	512	512	512
Maximum Hard Disks	128GB	128GB	128GB
All Supported SAS Disk Drives	6	6	6
All Supported SATA Disk Drives	6	6	6
All Supported USB Drive Keys	•	•	•
Network Cards (no modem support)			
Broadcom 5751 PCIe Intel Pro 1000 PT Gigabit PCI	•	•	•
Onboard Components		-	-
Onboard LAN - Broadcom 5755 10/100/1000	•	•	•
Onboard Audio	•	•	•
Onboard SATA/SAS RAID Add Ons	5	5	5
IEEE 1394 PCI Card			
Creative Sound Blaster X-Fi			
LSI 8888 ELP	5	5	5
Hardware RAID Removable CD/DVD Media	5	5	5
Removable CD/DVD Media HP 48x CD-ROM Drive	•	•	٠
HP 16x DVD-ROM Drive	•	•	•
HP 48x DVD/CDRW Combo	•	•	•
HP 16x dual-layer DVD+RW	4	4	4
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	7	7	7
HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2	7	7	7
HP Optical Scroll Mouse, USB	7	7	7
HP Standard Keyboard, USB	7	7	7
Modular Keyboard/ TPM Module/ Smart Card			<u> </u>
HP Printers All Supported Monitors	8	8	•
		•	•

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China(PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.6", and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.1" ISO images from http://www.hp.com/support/xw8600 (substitute correct platform name); Select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 5 - Hardware RAID is supported using the LSI 8888 ELP card (RAID 0,1, 5 SAS Only) and Onboard SAS RAID (RAID 0,1,). SATA RAID is not supported.

footnote 6 - Mixed hard drives are not offered on the preload. Use SATA or SAS, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

footnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net

Hardware Support Matrix for	Current HP Linux Worksta	tions	
	on Red Hat Linux Support		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 4.6 or later (x86 & EM64T)	RH EL DT 5.1 or later (x86 & x86 64)	SLED11 or later (x86_64)
HP Workstation Base System			
Base system includes: Chassis, System Board, USB, Power Supply, etc.	· ·	•	•
Localization Kit (See footnote 1)			
HP Localization Kit Software	•	•	•
Remote Graphics Software			
All Supported Processors		1 1	
All Supported Processors (1 & 2 CPU configs)	•	•	•
Hyperthreading Graphics Card (Video Card) (See footnote 3)			
No Graphics Card	•	•	•
NVIDIA Quadro NVS 290	•	•	•
NVIDIA Quadro NVS 295	•	•	•
NVIDIA Quadro NVS440	•	•	•
NVIDIA Quadro NVS450 NVIDIA Quadro FX370	•	•	•
NVIDIA Quadro FX370 NVIDIA Quadro FX380	•	•	•
NVIDIA Quadro FX500	•	•	•
NVIDIA Quadro FX580	•	•	•
NVIDIA Quadro FX1700	•	•	•
NVIDIA Quadro FX1800	•	•	•
NVIDIA Quadro FX3700	•	•	•
NVIDIA Quadro FX3800 NVIDIA Quadro FX4600	•	•	•
NVIDIA Quadro FX4800	•	•	•
NVIDIA Quadro FX5800	•	•	•
ATI v3700 PCIe			
ATI v5600 PCIe			
ATI v5700 PCIe ATI v7700 PCIe			
ATI v7750 PCle			
ATI RV560 PCIe	<u> </u>		
System RAM Minimum (MB)	512	512	512
Minimum (MB) Maximum	312 32GB	312 32GB	32GB
Hard Disks	0200	CEOB	0200
All Supported SAS Disk Drives	6	6	6
All Supported SATA Disk Drives	6	6	6
All Supported USB Drive Keys Network Cards (no modem support)	•	•	•
Broadcom 5751 PCIe	•	•	•
Intel Pro 1000 PT Gigabit PCI	•	•	•
Onboard Components			
Onboard LAN - Broadcom 5755 10/100/1000 Onboard Audio	•	•	•
Onboard Addio Onboard SATA RAID	5	5	5
Add Ons			
LSI 3041E SAS Card	•	•	•
IEEE 1394 PCI Card	+		
SATA Controllers Creative Sound Blaster X-Fi	+		
Hardware RAID	5	5	5
Removable CD/DVD Media			
HP 48x CD-ROM Drive	•	•	•
HP 16x DVD-ROM Drive HP 48x DVD/CDRW Combo	•	•	•
HP 16x dual-layer DVD+RW	4	4	4
Input/Output Devices (no spaceball support)			
HP 3-Button Mouse, PS/2	7	7	7
HP Scroll Mouse, PS/2	7 7	7 7	7 7
HP Optical Scroll Mouse, USB HP Standard Keyboard, USB	7	7	7
Modular Keyboard/ TPM Module/ Smart Card	· · · · · · · · · · · · · · · · · · ·	,	1
HP Printers	8	8	8
All Supported Monitors	•	•	•

footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China(PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.6", and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.1" ISO images from http://www.hp.com/support/xw6600 (substitute correct platform name); Select "download drivers and software".

footnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 5 - Hardware RAID is supported using the LSI 3041E card (RAID 0,1 SAS Only). SATA RAID is not supported.

footnote 6 - Mixed hard drives are not offered on the preload. Use SATA or SAS, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

footnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net

hard	Iware Support Matrix for Current HP Linux W HP xw4600 Workstation Linux Support		
First time support begins with R	HEL4 Update 5 (x86 & x86_64), RHEL5 (x86 &		
roduct Items/Features (Blank be		RH EL DT 5 or later (x86 & x86_64)	SLED11 or later (x86_64)
nlisted means the component is NOT supported) P Workstation Base System	`	, _ ·]	
ase system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•
pocalization Kit (See footnote 1) P Localization Kit	•	· · /	•
oftware	· · ·	· · ·	-
emote Graphics Software			
I Supported Processors I Supported Processors (1 CPU configs)	· · ·	· · ·	•
raphics Card (Video Card) (See footnote 2)	•	•	•
o Graphics Card	•	•	•
/IDIA Quadro NVS 290	•	•	•
VIDIA Quadro NVS 295	•	•	•
VIDIA Quadro NVS440 VIDIA Quadro NVS450		•	•
/IDIA Quadro FX370		•	•
VIDIA Quadro FX380	•	•	•
/IDIA Quadro FX570	•	•	•
VIDIA Quadro FX580	•	•	•
/IDIA Quadro FX1700		•	•
VIDIA Quadro FX1800 VIDIA Quadro FX3700	•	•	•
/IDIA Quadro FX3800	•	•	•
VIDIA Quadro FX4600	•	•	٠
VIDIA Quadro FX4800 VIDIA Quadro FX5800		•	•
TI v3700 PCIe		•	•
TI v5600 PCIe			
[1 v5700 PCIe	•	•	•
TI v7700 PCIe TI v7750 PCIe	•	•	•
ystem RAM	· · · ·	· · ·	· · ·
inimum (GB)	1GB	1GB	1GB
aximum (GB)	8GB	8GB	8GB
ard Disks			
I Supported SAS Disk Drives	5	5	5
I Supported SSD Disk Drives	•	•	•
I Supported SATA Disk Drives I Supported USB Drive Keys	4,6	4,6	4,6
etwork Cards (no modem support)		· · · ·	
oadcom 5751 PCIexpress	•	•	•
tel Pro 1000 PT Gigabit PCI nboard Components	•	•	•
nboard LAN - Broadcom 5755 10/100/1000	2	2	2
nboard Audio	•	•	•
nboard SATA RAID	5	5	5
dd Ons SI 3041E SAS Card	· ·	· · ·	•
EE 1394 PCI Card	-		-
I non-RAID U320 SCSI Controllers	•	•	•
ATA Controllers			
reative Sound Blaster X-Fi ardware RAID	5	5	5
emovable CD/DVD Media		<u> </u>	5
P 48x CD-ROM Drive	•	•	•
P 16x DVD-ROM Drive P 48x DVD/CDRW Combo	•	•	•
P 16x dual-layer DVD+RW	• 3	• 3	• 3
P BD-RE (writer)	•	•	•
put/Output Devices (no spaceball support)			
P 3-Button Mouse, PS/2		•	•
Scroll Mouse, PS/2 Optical Scroll Mouse, USB	•	•	•
P Standard Keyboard, USB/PS2	•	•	•
PM Module/ Smart Card			
	7	7	7
P Printers I Supported Monitors	•	•	•

footnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.8", and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.3" ISO images from http://www.hp.com/support/xw4600 (substitute correct platform name); Select "download drivers and software".

footnote 3 - Linux growisofs supports DVD+RW on Red Hat ELWS 3 or later and SLED11 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 4 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 5 - Hardware RAID is supported using the LSI 3041E (RAID 0,1 SAS Only). SATA RAID is not supported.

footnote 6 - The xw4600 can support up to 4 SATA drives. To support the 3rd and 4th SATA drives, you must acquire the Optical Bay Conversion Kit for each drive.

footnote 7 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net

HP xw9400 Workstation Linux Support					
First time support begins with RHEL 3 Update 8 (x86_64	4), RHEL4 Update 4 (x86 & x	(86_64), RHEL5 (x86 & x86		64)	
oduct Items/Features ank box or unlisted means the component is NOT supported)	RH EL WS 3 U8 or later (x86 & EM64T)	RH EL WS 4 U5 or later (x86 & EM64T)	RH EL DT 5 or later (x86 & x86 64)	SLED11 or later (x86_64	
Workstation Base System					
se system includes: Chassis, System Board, USB, Power Supply, etc. calization Kit (See footnote 1)	•	•	•	•	
P Localization Kit	•	•	•	•	
ftware					
mote Graphics Software	•	•	•	•	
Supported Processors perthreading					
ngle-Core Opteron	•	•	•	•	
al-core Opteron (1.8GHz, 2.0GHz, 2.2GHz, 2.4GHz, 2.6GHz, and 2.8GHz)	•	•	•	•	
ad-core Opteron (2.1GHz, 2.2GHz, 2.3GHz, 2.4GHz, 2.5GHz, 2.7GHz, 2.8GHz, 2.9GHz,					
GHz) aphics Card (Video Card) (See footnote 2)		9	9	9	
Graphics Card (Video Card) (See roomote 2)	•	•	•	•	
/IDIA Quadro NVS 285	•	•	•	•	
/IDIA Quadro NVS 290		•	•	•	
/IDIA Quadro NVS 295 /IDIA Quadro NVS 450		•	•	•	
IDIA Quadro NVS 450 IDIA Quadro FX370		•	•	•	
IDIA Quadro FX380		•	•	•	
IDIA Quadro FX560	•	•	•	•	
/IDIA Quadro FX570		•	٠	•	
IDIA Quadro FX580		•	•	•	
IDIA Quadro FX1500 IDIA Quadro FX1700	•	•	•	•	
/IDIA Quadro FX1700	1	•	•	•	
IDIA Quadro FX3500	•	•	•	•	
IDIA Quadro FX3700	•	•	•	•	
IDIA Quadro FX3800 IDIA Quadro FX4500	•	•	•	•	
IDIA Quadro FX4600	7	7	7	•	
IDIA Quadro FX4800		•	•	•	
IDIA Quadro FX5500 IDIA Quadro FX5600	· ·	•	•	•	
IDIA Quadro FX5800 IDIA Quadro FX5800		•	•	•	
Card (to be used with the FX4500)	•	•	•	•	
I Graphics Connector					
1 v3300 PCIe 1 v3350 PCIe					
1 v7200 PCIe					
I v3700 PCIe - Single Card Supported		•	•	•	
I v5600 PCIe					
I v5700 PCIe - Single Card Supported I v7700 PCIe		•	•	•	
I v7750 PCIe - Single Card Supported		•	•	•	
stem RAM	105	105	105	105	
nimum (GB) Iximum (GB)	1GB 64GB	1GB 64GB	1GB 64GB	1GB 64GB	
rd Disks	0405	0405	0405	0408	
Supported SAS Disk Drives	4	4	4	4	
Supported SSD Disk Drives Supported SATA Disk Drives	4	4	4	4	
Supported USB Drive Keys	•	•	•	•	
twork Cards (no modem support)					
badcom 5751 PCIe	•	•	•	•	
el Pro 1000 GT Gigabit PCI Iboard Components	•	•	•	•	
board LAN eth0 - Nvidia	•	•	•	•	
board LAN eth1 - Nvidia	•	•	•	•	
board Audio	6	•	•	•	
board SATA/SAS RAID d Ons	5	5	5	5	
EE 1394 A/B PCI Card					
eative Sound Blaster Audigy 2 ZS					
I 8344 I 8888 ELP		5	5	5	
movable CD/DVD Media		3	5	5	
48x CD-ROM Drive	•	•	•	•	
16x DVD-ROM Drive	•	•	•	•	
48x DVD/CDRW Combo	•	•	• 3	• 3	
16x dual-layer DVD+RW BD-RE (Writer)	3	3	•	3	
out/Output Devices (no spaceball support)					
3-Button Mouse, PS/2	•	•	•	•	
Scroll Mouse, PS/2 Optical Scroll Mouse, USB	•	•	•	•	
Standard Keyboard, USB/PS2	•	•	•	•	
M Module/ Smart Card	· · · · · · · · · · · · · · · · · · ·		-	-	
in 1 Card Reader					
Printers Supported Maniters	8	8	8	8	
Supported Monitors	•	•	•	•	
ntote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, A			oan, AB2 China (PRC), AB4 Sin	gapore/ Malaysia, ABZ Italy	
5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Be	Igium, ABS Sweden, ABB Inti En	5 - 7			

tootnote 4 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 5 - Hardware RAID is supported using the LSI 8344 ELP (RAID 0,1, 5 SAS only), LSI 8888 ELP (RAID 0,1, 5 SAS only), and Onboard SAS RAID (RAID 0,1). SATA RAID is not supported.

footnote 6 - For RHEL3 U8, download the ALSA Sound Support softpaq from http://www.hp.com/support/xw9400. For RHEL4, use the built-in ALSA Sound Support.

footnote 7 - The Nvidia graphics driver works very well. Vesa driver has issues with this card.

footnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net.

footnote 9 - Nvidia Drivers (169.17/173.14/177.61) do not work on RHEL4.x and 5.x 32bit. Nvidia Drivers (169.17/173.14/177.61) will work on RHEL4.x and 5.x 64bit. Nvidia Driver 177.82 or newer will work on both RHEL4.x and RHEL5.x (32/64bit).

HI First time support begins with RHEL 3 Up	P xw8400 Workstation Red Hat Linux date 7 (x86 & x86 64), RHEL4 Update		RHEL5 (x86 & x86 64)	
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U7 or later (x86)	RH EL WS 3 U7 or later (EM64T)	RH EL WS 4 U5 or later (x86 & EM64T)	RH EL DT 5 or later (x86 8 x86_64)
HP Workstation Base System		()		
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•
Localization Kit (See footnote 1) HP Localization Kit				
Software	•	•	•	•
Remote Graphics Software	•	•		
All Supported Processors All Supported Processors (1 & 2 CPU configs)	•	•	•	•
Hyperthreading				
Graphics Card (Video Card) (See footnote 3) No Graphics Card	•	•	•	•
NVIDIA Quadro NVS 285	•	•	•	
NVIDIA Quadro NVS440			2	2
NVIDIA Quadro FX560 NVIDIA Quadro FX1500	•	•	•	<u> </u>
NVIDIA Quadro FX1500 NVIDIA Quadro FX3500	•	•	•	
NVIDIA Quadro FX4500	•	•	•	•
NVIDIA Quadro FX4600 NVIDIA Quadro FX5500	9	9	9	9
G-Card (to be used with the FX4500)		•		
SLI Graphics Connector				
ATI v3300 PCIe ATI v3350 PCIe	•	•		
ATI v7200 PCIe	•	•		
System RAM				
Minimum (MB) Maximum	512 32GB	512 32GB	512 32GB	512 32GB
Hard Disks	3260	3200	3260	3200
All Supported SAS Disk Drives	6	6	6	6
All Supported SATA Disk Drives All Supported USB Drive Keys	6	6	6	6
Network Cards (no modem support)		-	-	•
Broadcom 5751 PCIe	•	•	•	•
Intel Pro 1000 GT Gigabit PCI Onboard Components	•	•	•	•
Onboard LAN - Broadcom 5752 10/100/1000	•	•	•	•
Onboard Audio Onboard SATA/SAS RAID	8	8	8	8
Add Ons			5	5
IEEE 1394 PCI Card				
SATA Controllers Creative Sound Blaster Audigy 2 ZS				
LSI 8344			5	5
Hardware RAID			5	5
Removable CD/DVD Media HP 48x CD-ROM Drive	· · ·	•	•	•
HP 16x DVD-ROM Drive		•		
HP 48x DVD/CDRW Combo	•	•	•	•
HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support)	4	4	4	4
HP 3-Button Mouse, PS/2	7	7	7	7
HP Scroll Mouse, PS/2	7	7	7	7
HP Optical Scroll Mouse, USB HP Standard Keyboard, USB	7 7	7	7	7
Modular Keyboard/ TPM Module/ Smart Card	,	/	1	1
All Supported Monitors	•	٠	•	٠
footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Ger Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.		ia, ABU UK English, ABJ Japa	n, AB2 China(PRC), AB4 Singapo	re/ Malaysia, ABZ Italy, AB5

footnote 3 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 3 Update 8" ISO images from http://www.hp.com/support/xw8400 (substitute correct platform name); Select "download drivers and software"; Select OS; Select file to download. See also http://hp.com/support/linux_user_manual ->'Install Guide for Red Hat Linux on HP Linux Workstations'

footnote 4 - Linux growisofs supports DVD+RW on Red Hat ELWS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 5 - Hardware RAID is supported using the LSI 8344 ELP (RAID 0,1, 10 SAS Only) and Onboard SAS RAID (RAID 0,1,). SATA RAID is not supported.

footnote 6 - Mixed hard drives are not offered on the preload. Use SATA or SAS, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

footnote 8 - For RHEL3 U8, download the ALSA Sound Support softpaq from http://www.hp.com/support/xw8400. For RHEL4, use the built-in ALSA Sound Support.

footnote 9 - The accelerated graphics works very well. Vesa driver has issues with this card.

First time support begins with RHEL 3	HP xw6400 Workstation Red Hat Linu Update 7 (x86 & x86_64), RHEL4 Upda		RHEL5 (x86 & x86_64)	
Product Items/Features Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U7 or later (x86)	RH EL WS 3 U7 or later (EM64T)	RH EL WS 4 U5 or later (x86 & EM64T)	RH EL DT 5 or later (x86 x86 64)
· · · · ·		(EIVI041)	& EWI641)	X80 04)
HP Workstation Base System				
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•
Localization Kit (See footnote 1)				
HP Localization Kit Software	•	•	•	•
Remote Graphics Software	•	•		
All Supported Processors	•	•		
All Supported Processors (1 & 2 CPU configs)	•	•	•	•
Hyperthreading	· · ·	•	-	•
Graphics Card (Video Card) (See footnote 3)			-	
lo Graphics Card	•	•	•	•
G-Card (to be used with the FX4500)	•	•	•	•
SLI Graphics Connector				
VIDIA Quadro NVS285	•	•	•	•
VVIDIA Quadro NVS440			•	•
VIDIA Quadro FX560	•	•	•	•
IVIDIA Quadro FX1500	•	•	•	•
VIDIA Quadro FX3500	•	•	•	•
IVIDIA Quadro FX4500	•	•	•	•
IVIDIA Quadro FX4600	9	9	9	9
ATI v3300 PCIe	•	•		
TI v3350 PCIe	•	•		
ATI v7200 PCle	•	•		
System RAM		-1-		- 1 4
Animum (MB)	512	512	512	512
Maximum Hard Disks	16GB	16GB	16GB	16GB
All Supported SAS Disk Drives				
All Supported SATA Disk Drives	6	6	6	6
All Supported USB Drive Keys	•	•	•	•
Network Cards (no modem support)		-		-
Broadcom 5751 PCIe	•	•	•	•
Diboard Components			-	
Onboard LAN - Broadcom 5752 10/100/1000	•	•	•	•
Dnboard Audio	8	8	8	8
Dnboard SATA RAID			5	5
Add Ons				
SI 3041E SAS Card	•	•	•	•
EEE 1394 PCI Card				
SATA Controllers				
Creative Sound Blaster Audigy 2 ZS				
lardware RAID			5	5
Removable CD/DVD Media			-	
IP 48x CD-ROM Drive	•	•	•	•
IP 16x DVD-ROM Drive IP 48x DVD/CDRW Combo	•	•	•	•
IP 48x DVD/CDRW Combo IP 16x dual-layer DVD+RW	• 4	4	• 4	• 4
nput/Output Devices (no spaceball support)	4	4	4	4
IP 3-Button Mouse, PS/2	7	7	7	7
IP 3-Button Mouse, PS/2	7	7	7	7
IP Optical Scroll Mouse, USB	7	7	7	7
IP Standard Keyboard, USB	7	7	7	7
Nodular Keyboard/ TPM Module/ Smart Card	· · · · ·	1	'	1
All Supported Monitors	•	•	•	•
		-	-	-

Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English).

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 3 Update 8" ISO images from http://www.hp.com/support/sw6400 (substitute correct platform name); Select "download drivers and software"; Select OS; Select file to download. See also http://hp.com/support/linux_user_manual -> Install Guide for Red Hat Linux on HP Linux Workstations"

footnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 5 - Hardware RAID is supported using the LSI 3041E card (RAID 0,1 SAS Only). SATA RAID is not supported.

footnote 6 - Mixed hard drives are not offered on the preload. Use SATA or SAS, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

footnote 8 - For RHEL3 U8, download the ALSA Sound Support softpaq from http://www.hp.com/support/xw8400. For RHEL4, use the built in ALSA Sound Support.

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HF surf Stop Workstation Red Hat Lunx Support Partner membre support begins with RHEL 64 (x86 & x86, 64), and RHEL 51 (x86 & x86, 64) Partner membre support begins with RHEL 64 (x86 & x86, 64), and RHEL 51 (x86 & x86, 64) Partner membre support begins with RHEL 64 (x86 & x86, 64), and RHEL 51 (x86 & x86, 64) Partner RASE Statem Image: State s	Hardware Support Mat	trix for Current HP Linux Workstations	
Order Secures PH EL VIS 4.6 or later (alls & EM641) PH EL DT 5.1 or later (alls & self. 64) PW Order Section Base System • • PW Description Section Base System Sectin Base System Section Base System Sectin Base System Section Base	HP xw4550 Wo	rkstation Red Hat Linux Support	
PH Workstein Base System • <th>Product Items/Features</th> <th></th> <th>, </th>	Product Items/Features		,
conclusion (K) (See forme 1) • • Constraints (K) (See forme 2) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z. CPU configu) • • W Supported Processors (T. & Z.	HP Workstation Base System		
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Na Bugonital Processors			
Singhes Card (Video Card) (See tombole 2) 	All Supported Processors		
N1 h1280 Onboard Graphics • • VID1A Cadato FX370 • • VID1A Cadato FX1700 • • VID1A Cadato FX17000 •		•	•
WDA Quadro N/S 280 • • WDA Quadro FX370 • • Wadro MAM • • Wadro MAM • • Stance MAM • • Wadro MAM • • Wadr	ATI x1250 Onboard Graphics	•	•
WDIA Quadro FX70 • • WDIA Quadro FX700 • • WDIA Quadro FX800 • • Minum (MI) 1GB 1GB Marine MI 1GB 1GB Marine MIA • • Stand DKA • • Veral XA Disk Drives 5 5 Stand Drives 5 5 Werk Karls Grads (fram Roupport) • • Nandom XFX Dia Constraint • • Diabard Components • • Werk Karls Grads (fram Roupport) • • Diabard Stand TA RaD • • EE E13A PCI Card • • Print dual-system RAM • • Print dual-system RAM • • Pice VD-RAM Orive • • Pice VD-RAM Orive <t< td=""><td>No Graphics Card</td><td>•</td><td>•</td></t<>	No Graphics Card	•	•
• • • WDA Quador 57700 • • WDA Quador 57700 • • WDA Quador 57700 • • System RAM • • Minum (MB) 1GB 1GB Mainman 4GB 4GB Marb Iska 5 5 Mi Supported SATA Disk Drives 6 6 Drives of Sata Part Disk 6 6 Drives of Sata Part Disk 6 6 Drives of Sata Part Disk 6 6 Drives of Disk Part Disk 6 6 Drives of Disk Part Disk 7 7 Drives of Disk Part Disk 7 7 Drives of Disk Part Disk 7 7 Drives of Dis			
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All Supported Monitors	Modular Keyboard/ TPM Module/ Smart Card		
ootnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China(PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English. ootnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.6", and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.1" ISO mages from http://www.hp.com/support/xw4550 (substitute correct platform name); Select "download drivers and software". ootnote 3 - 290 NVS PCI card may be used alone or with another card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'. ootnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported. ootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration. ootnote 6 - Hardware RAID is not supported on the xw4550. ootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. ootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw6400, xw6400, xw6400, xw6400, xw9400.			
Singapore/ Malaysia, ABZ Italy, ABS Hong Kong, ACF Japan-English, ACJ India-English. iootnote 2 - Get the latest drivers, "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 4.6", and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 5.1" ISO mages from http://www.hp.com/support/xw4550 (substitute correct platform name); Select "download drivers and software". iootnote 3 - 290 NVS PCI card may be used alone or with another card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'. iootnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported. iootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration. iootnote 6 - Hardware RAID is not supported on the xw4550. iootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. iootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw4600, xw6400, xw8400, xw9400.	All Supported Monitors	•	•
mages from http://www.hp.com/support/xw4550 (substitute correct platform name); Select "download drivers and software". ootnote 3 - 290 NVS PCI card may be used alone or with another card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'. ootnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported. ootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration. ootnote 6 - Hardware RAID is not supported on the xw4550. ootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. ootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw6400, xw6400, xw8400, xw9400.	footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Gern Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English.		ıglish, ABJ Japan, AB2 China(PRC), AB4
iootnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported. iootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration. iootnote 6 - Hardware RAID is not supported on the xw4550. iootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. iootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw6400, xw8400, xw8400, xw9400.			iver CD for Red Hat Enterprise Linux 5.1" ISO
iootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration. iootnote 6 - Hardware RAID is not supported on the xw4550. iootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. iootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw6400, xw8400, xw8400, xw9400.	footnote 3 - 290 NVS PCI card may be used alone or with another card. See instructions	s at http://hp.com/support/linux_user_manual -> 'Multi-Moni'	tor Configurations on HP Linux Workstations'.
iootnote 6 - Hardware RAID is not supported on the xw4550. iootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. iootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw6400, xw6400, xw8400, xw9400.	footnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives	that have the Lightscribe functionality, the labeling function	ality is not supported.
ootnote 7 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported. ootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net Fhis Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw6400, xw6400, xw8400, xw9400.	footnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not bo	th. We do offer mixed drives on the HPIKL (FreeDos) confi	iguration.
ootnote 8 - For more info about Linux driver support for HP printers, please visit http://www.hplip.net This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw4600, xw6400, xw8400, xw9400.	footnote 6 - Hardware RAID is not supported on the xw4550.		
This Month's Change Log: Will be offering Red Hat WS 4 U5 64-bit preload on xw4400, xw4600, xw6400, xw8400, xw9400.			

Hardwar	e Support Matrix for Current HP Linux	Workstations		
	HP xw4400 Workstation Red Hat Linux Sipplate 8 (x86 & x86_64), RHEL4 Update 4		RHEL5 (x86 & x86_64)	
roduct Items/Features 3lank box or unlisted means the component is NOT supported)	RH EL WS 3 U8 or later (x86)	RH EL WS 3 U8 or later (EM64T)	RH EL WS 4 U5 or later (x86 & EM64T)	RH EL DT 5 or later (x86 x86 64)
P Workstation Base System ase system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•
calization Kit (See footnote 1)		•		
P Localization Kit	•	•	•	•
oftware				
emote Graphics Software	•	•		
I Supported Processors Supported Processors (1 & 2 CPU configs)	· · ·	•	т . т	•
perthreading		•		•
aphics Card (Video Card) (See footnote 2)	-			
o Graphics Card	•	•	•	•
/IDIA Quadro NVS 285	•	•	•	•
/IDIA Quadro NVS440			•	•
/IDIA Quadro FX560	•	•	•	•
/IDIA Quadro FX1500	•	•	•	•
/IDIA Quadro FX3500 /IDIA Quadro FX4500	•	•	•	•
/IDIA Quadro FX4500 /IDIA Quadro FX4600	11	11	11	11
Card (to be used with the FX4500)	•	•	•	•
I Graphics Connector				
TI v3300 PCIe	•	•		
1 v3350 PCIe	•	•		
1 v7200 PCIe	•	•		
rstem RAM				
nimum (MB)	512	512	512	512
aximum	8GB	8GB	8GB	8GB
Ird Disks				
Supported SAS Disk Drives	5	5	5	5
Supported SATA Disk Drives	5,7	5,7	5,7	5,7
Supported USB Drive Keys	•	•	•	•
etwork Cards (no modem support)				
oadcom 5751 PCIe nboard Components	•	•	•	•
nboard LAN - Broadcom 5755 10/100/1000	2	2	2	2
nboard Audio	10	10	10	10
nboard SATA RAID			6	6
id Ons				
il 3041E SAS Card	•	•	•	•
EE 1394 PCI Card non-RAID U320 SCSI Controllers	· ·	•	•	•
ATA Controllers		•		•
eative Sound Blaster Audigy 2 ZS				
Irdware RAID			6	6
emovable CD/DVD Media				
2 48x CD-ROM Drive	•	•	•	•
P 16x DVD-ROM Drive P 48x DVD/CDRW Combo		•	•	•
P 16x dual-layer DVD+RW	•	• 4	• 4	• 4
but/Output Devices (no spaceball support)			1 1	
2 3-Button Mouse, PS/2	9	9	9	9
P Scroll Mouse, PS/2	9	9	9	9
P Optical Scroll Mouse, USB	9	9	9	9
Standard Keyboard, USB	9	9	9	9
			-	
lodular Keyboard/ TPM Module/ Smart Card II Supported Monitors wortote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD G B5 Hong Kong, ACF Japan-English, ACJ India-English, ABO Taiwan, AK6 Europe A			• upan, AB2 China(PRC), AB4 Singa	• pore/ Malaysia, ABZ Italy
otnote 2 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for I ubstitute correct platform name); Select "download drivers and software"; Select forkstations'				Linux on HP Linux
othote 3 - 285 NVS PCI card may be used alone or with another card. See instruct				
otnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For dri			upported.	
othote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, no		reeDos) configuration.		
othote 6 - Hardware RAID is supported using the LSI 3041E Card (RAID 0,1 SAS C		Conversion Kit for cost of		
thote 7 - The xw4400 can support up to 4 SATA drives. To support the 3rd and 4t		conversion Kit for each di	ive.	
otnote 9 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not sup	ported.			

tootnote 10 - For RHEL3 U8, download the ALSA Sound Support softpaq from http://www.hp.com/support/xw4400. For RHEL4, use the built-in ALSA Sound Support.

footnote 11 - The accelerated graphics works very well. Vesa driver has issues with this card.

Product Items/Features		EL4 Update 1 (x86 & x86_64) RH EL WS 3 U7 or later RH EL WS 4 U3 or	
Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U7 or later (x86)	(EM64T)	& EM64T)
P Workstation Base System			
ase system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•
pocalization Kit (See footnote 1)	•	•	•
oftware	· · · ·	•	· ·
emote Graphics Software	•	•	•
II Supported Processors			
Il Supported Processors (1 & 2 CPU configs)	•	•	•
yperthreading ual-core Opteron (2.0GHz, 2.2GHz, 2.4GHz and 2.8GHz)	•	•	•
raphics Card (Video Card) (See footnote 2)	•	•	•
o Graphics Card		•	•
VIDIA Quadro FX3400 256MB PCIe	•	•	•
VIDIA Quadro FX3450 256MB PCIe	•	•	•
VIDIA Quadro FX4500 256MB PCIe	•	•	•
-Card (to be used with the FX4500) VIDIA Quadro NVS 280 64MB PCI (See footnote 3)			+
VIDIA Quadro NVS 280 64MB PCIe	•	•	•
VIDIA Quadro NVS 285 64MB PCIe	•	•	•
VIDIA Quadro FX540	•	•	•
VIDIA Quadro FX1400	•	•	•
VIDIA Quadro NVS400 VIDIA Quadro NVS440 PCIe			
LI Graphics Connector	5	5	5
TI v3100 PCIe	Ů	Ū	
TI v5100 PCIe			
ystem RAM			
linimum (MB) Iaximum	1GB	1GB	1GB
ard Disks	32GB	32GB	32GB
Il Supported SCSI Disk Drives	6	6	6
Il Supported SATA Disk Drives	6,8	6,8	6,8
II Supported USB Drive Keys	•	•	•
etwork Cards (no modem support) roadcom 5782 NetXtreme Gigabit PCI			Т
roadcom 5782 NetAtreme Gigabit PC1	• 9	• 9	• 9
tel Pro 1000 MT Gigabit PCI	ÿ	5	5
tel Pro 1000 GT Gigabit PCI	•	•	•
nboard Components			
nboard LAN - Nvidia	•	•	•
nboard Audio nboard SATA RAID	• 7	• 7	• 7
dd Ons	/	/	· · · · ·
EE 1394 PCI Card			
II non-RAID U320 SCSI Controllers	•	•	•
ATA Controllers			
reative Sound Blaster Audigy 2 ZS ardware RAID	7	7	7
emovable CD/DVD Media		1	1 /
P 48x CD-ROM Drive	•	•	•
P 16x DVD-ROM Drive	•	•	•
P 48x CD/RW Drive	•	•	•
P 48x DVD/CDRW Combo	• 4	• 4	• 4
P 16x dual-layer DVD+RW put/Output Devices (no spaceball support)	4	4	4
P 3-Button Mouse, PS/2	10	10	10
P Scroll Mouse, PS/2	10	10	10
P Optical Scroll Mouse, USB	10	10	10
P Standard Keyboard, USB	10	10	10
odular Keyboard/ TPM Module/ Smart Card	•	•	•
supported Monitors		•	•

footnote 2 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 3 Update 5" ISO images from http://www.hp.com/support/xw9300 (substitute correct platform name); Select "download drivers and software"; Select OS; Select file to download. See also http://hp.com/support/linux_user_manual -> 'Install Guide for Red Hat Linux on HP Linux Workstations'

footnote 3 - 285 NVS PCI card may be used alone or with another card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'.

footnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 5 - The SLI Graphics Connector is offered on the HPIKL (FreeDOS) configuration.

footnote 6 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

footnote 7 - Hardware RAID is not supported on Linux systems; this includes the Promise SATA RAID Card, Onboard SATA Chipset RAID, Adaptec 2120S SCSI RAID Card, LSI 20320 A-R SCSI Card, Onboard SCSI Chipset RAID. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardware-based RAID.

footnote 8 - The xw9300 is capable of supporting up to 4 SATA drives. The xw4300 can support up to 4 SATA drives. To support the 3rd and 4th SATA drives, you must acquire the Optical Bay Conversion Kit for each drive.

footnote 9 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 10 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

	atrix for Current HP Linux Workstatie orkstation Red Hat Linux Support date 5 (x86 & x86 64) and RHEL4 Un		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U7 or later (x86)	RH EL WS 3 U7 or later (EM64T)	RH EL WS 4 U3 or later (x86 & EM64T)
HP Workstation Base System			
Base system includes: Chassis, System Board, USB, Power Supply, etc. Localization Kit (See footnote 1)	•	•	•
HP Localization Kit	•	•	•
Software Remote Graphics Software	•	•	
All Supported Processors			
All Supported Processors (1 & 2 CPU configs) Hyperthreading	· ·	•	•
Graphics Card (Video Card) (See footnote 2)		·	-
No Graphics Card NVIDIA Quadro FX3400 256MB PCIe	•	•	•
NVIDIA Quadro FX3450 256MB PCIe	•	•	•
NVIDIA Quadro FX4500 256MB PCIe G-Card (to be used with the FX4500)	•	•	•
NVIDIA Quadro NVS 280 64MB PCI (See footnote 3)	•	•	•
NVIDIA Quadro NVS 280 64MB PCIe	•	•	•
NVIDIA Quadro NVS 285 64MB PCIe NVIDIA Quadro FX540	•	•	•
NVIDIA Quadro FX1400	•	•	•
NVIDIA Quadro NVS400			
NVIDIA Quadro NVS440 PCIe SLI Graphics Connector			
ATI v3100 PCIe	•	•	•
ATI v5100 PCIe	8	8	8
System RAM		F /0	
Minimum (MB) Maximum	512 8GB	512 8GB	512 8GB
Hard Disks		•••	
All Supported SCSI Disk Drives	5	5	5
All Supported SATA Disk Drives All Supported USB Drive Keys	5,7	5,7	5,7
Network Cards (no modem support)		·	
Broadcom 5782 NetXtreme Gigabit PCI Broadcom 5751 PCIe		•	•
Intel Pro 1000 MT Gigabit PCI	•	•	•
Intel Pro 1000 GT Gigabit PCI Onboard Components	11	11	11
Onboard LAN - Broadcom 5751 10/100/1000	2	2	2
Onboard Audio Onboard SATA RAID	10 6	10 6	10 6
Add Ons	0	0	0
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers	· · ·	•	•
SATA Controllers		•	•
Creative Sound Blaster Audigy 2 ZS Hardware RAID	6	6	6
Removable CD/DVD Media	6	0	6
HP 48x CD-ROM Drive	•	•	•
HP 16x DVD-ROM Drive HP 48x CD/RW Drive	•	•	•
HP 48x DVD/CDRW Combo	•	•	•
HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support)	4	4	4
HP 3-Button Mouse, PS/2	9	9	9
HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB	9	9	9
HP Standard Keyboard, USB	9	9	9
Modular Keyboard/ TPM Module/ Smart Card All Supported Monitors	•	•	•
footnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Ge Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-Englis	ermany, ABE Spain, ABF France, ABG Australi sh, AB0 Taiwan, AK6 Europe A4, AC0 Belgium	a, ABU UK English, ABJ Japa , ABS Sweden, ABB Int'l Eng	an, AB2 China (PRC), AB4 lish).
ootnote 2 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Re Select "download drivers and software"; Select OS; Select file to download. See also	http://hp.com/support/linux_user_manual -> "	nstall Guide for Red Hat Linu	x on HP Linux Workstations'
ootnote 3 - 285 NVS PCI card may be used alone or with another card. See instruction	ns at http://np.com/support/linux_user_manua	-> wutti-wonitor Configuratio	ons on HP Linux Workstations'.
ootnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For driv ootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not			ported.
ootnote 6 - Hardware RAID is not supported on Linux systems; this includes the Prom		, ,	
SI 20320 A-R SCSI Card, Onboard SCSI Chipset RAID. The Linux kernel, with built-in RAID.			
ootnote 7 - The xw4300 can support up to 4 SATA drives. To support the 3rd and 4th	SATA drives, you must acquire the Optical Bay	Conversion Kit for each drive	е.
ootnote 8 - The ATI v5100 is not supported due to Vesa driver issues during install. Pl now to install the ATI driver.	ease refer to the Release Notes Chapter in htt	p://www.hp.com/support/linux	_user_manual for instructions on
footnote 9 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not suppo	orted.		
ootnote 10 - For RHEL3 U5, download the ALSA Sound Support softpaq from http://w	ww.hp.com/support/xw4300. For RHEL4, use	the built-in ALSA Sound Sup	port.
controte 11 - Not orderable integrated into systems. Order AMO (After Market Only) kit			
This Month's Change Log: Will be offering Red Hat WS 4 U4 64-bit preload on xw	1200 xw4400 xw6200 xw6400 xw8200 x	v8400 xw0200 xw0400	

Hardware Support Matrix for	Current HP Linu	x Workstations			
HP xw8200 Workstatio First time support begins with RHEL 3 Update 2			l (x86 & x86_64)		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U7 or later (x86)	RH EL WS 3 U7 or later (EM64T)	RH EL WS 4 U3 or later (x86 & EM64T)	7.2	7.3
HP Workstation Base System					
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•	•
Localization Kit (See footnote 1)					
HP Localization Kit	•	•	•	•	•
Software Remote Graphics Software	•	· ·			
All Supported Processors	•		L		L
All Supported Processors (1 & 2 CPU configs)	•	•	•	•	•
Hyperthreading	•	•	•		
Graphics Card (Video Card) (See footnote 3) No Graphics Card	-	-	- 1	-	-
NVIDIA Quadro FX330 64MB PCIe	•	•	•	•	•
NVIDIA Quadro FX1300 128MB PCIe	•	•	•	•	•
NVIDIA Quadro FX3400 256MB PCIe	•	•	•	•	•
NVIDIA Quadro FX3450 256MB PCIe	•	•	•		
NVIDIA Quadro FX4500 256MB PCIe G-Card (to be used with the FX4500)	•	•	•		
NVIDIA Quadro NVS 280 64MB PCI (See footnote 5)	•	•	•	•	•
NVIDIA Quadro NVS 280 64MB PCIe	•	•	•	•	•
NVIDIA Quadro NVS 280 64MB PCIe	•	•	•		
NVIDIA Quadro FX540	•	•	•	•	•
NVIDIA Quadro FX1400 NVIDIA Quadro NVS400	•	•	•	•	•
NVIDIA Quadro NVS400 NVIDIA Quadro NVS440 PCIe					
SLI Graphics Connector					
ATI v3100 PCIe	•	•	•		
ATI v5100 PCIe	8	8	8		
System RAM Minimum (MB)	512	512	512	512	512
Maximum	16GB	16GB	16GB	4GB	8GB
Hard Disks	1005	1005	1005	100	000
All Supported SCSI Disk Drives	7	7	7	7	7
All Supported SATA Disk Drives	7	7	7		
All Supported USB Drive Keys Network Cards (no modem support)	•	•	•		
Broadcom 5782 NetXtreme Gigabit PCI	•	•	•	2	2
Broadcom 5751 PCIe	2	2	2	2	2
Intel Pro 1000 MT Gigabit PCI	•	•	•	2	2
Intel Pro 1000 GT Gigabit PCI	•	•	•	2	2
Onboard Components Onboard LAN - Intel 10/100/1000	•	•	•	•	•
Onboard Audio		•	•		•
Onboard SATA RAID	6	6	6	6	6
Add Ons					
		1			
IEEE 1394 PCI Card					
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers	•	•	•	•	•
IEEE 1394 PCI Card	•	•	•	•	•
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers	•	•	•	•	•
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID	•	•	•	• 6	•
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media	6	6	6	6	6
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive	6	6	6	6	6
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media	6	6	6	6	6
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD/RW Drive HP 48x CD/RW Drive HP 16x dual-layer DVD+RW	6 • •	6 •	6 • •	6 • •	6 •
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD/RW Drive HP 48x CD/RW Drive HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support)	6 • • 4	6 • • 4	6 • • • 4	6 • • •	6 • • 4
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	6 • • 4 9	6 • • 4 9	6 • • 4 9	6 • • •	6 • • 4
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 16x DVD-ROM Drive HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	6 • • 4 9 9	6 • • 4 9 9	6 • • 4 9 9	6 • • •	6 • • 4
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	6 • • 4 9	6 • • 4 9	6 • • 4 9	6 • • •	6 • • 4
IEEE 1394 PCI Card All non-RAID U320 SCSI Controllers SATA Controllers LSI 3041 SAS/SATA Controller Creative Sound Blaster Audigy 2 ZS Hardware RAID Removable CD/DVD Media HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD/RW Drive HP 16x dual-layer DVD+RW Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Soroll Mouse, PS/2 HP Optical Scroll Mouse, USB	6 • • 4 9 9 9	6 • • 4 9 9 9	6 • • 4 9 9 9 9	6 • • •	6 • • 4

tootnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Germany, ABE Spain, ABF France, ABG Australia, ABU UK English, ABJ Japan, AB2 China (PRC), AB4 Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-English, AB0 Taiwan, AK6 Europe A4, AC0 Belgium, ABS Sweden, ABB Int'l English).

footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit.

footnote 3 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Red Hat Enterprise Linux 3 Update 5" ISO images from http://www.hp.com/support/xw8200 (substitute correct platform name); Select "download drivers and software"; Select OS; Select file to download. See also http://hp.com/support/linux_user_manual -> 'Install Guide for Red Hat Linux on HP Linux Workstations'

footnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drives that have the Lightscribe functionality, the labeling functionality is not supported.

footnote 5 - 285 NVS PCI card may be used alone or with another card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'.

tootnote 6 - Hardware RAID is not supported on Linux systems; this includes the Promise SATA RAID Card, Onboard SATA Chipset RAID, Adaptec 2120S SCSI RAID Card, LSI 20320 A-R SCSI Card, Onboard SCSI Chipset RAID. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardwarebased RAID.

footnote 7 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not both. We do offer mixed drives on the HPIKL (FreeDos) configuration.

tootnote 8 - The ATI v5100 is not supported due to Vesa driver issues during install. Please refer to the Release Notes Chapter in http://www.hp.com/support/linux_user_manual for instructions on how to install the ATI driver.

footnote 9 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

	trix for Current HP Linu				
HP xw6200 Wo First time support begins with RHEL 3 Up	orkstation Red Hat Linux odate 2 (x86 & x86_64), a				
Product Items/Features Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U7 or later (x86)	RH EL WS 3 U7 or later (EM64T)	RH EL WS 4 U3 or later (x86 & EM64T)	7.2	7.3
IP Workstation Base System					
ase system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•	•
ocalization Kit (See footnote 1) IP Localization Kit	•	•	• [•	•
oftware	•	ا ـــــــــ	•	•	•
Remote Graphics Software	•	•			
Il Supported Processors					T
Il Supported Processors (1 & 2 CPU configs) lyperthreading	•	•	•	•	•
Graphics Card (Video Card) (See footnote 3)	-				
lo Graphics Card	•	•	•	•	•
IVIDIA Quadro FX330 64MB PCIe IVIDIA Quadro FX1300 128MB PCIe	•	•	•	•	•
IVIDIA Quadro FX1300 126MB PCIe	•	•	•	•	•
IVIDIA Quadro FX3450 256MB PCIe	•	•	•	•	•
VIDIA Quadro FX4500 256MB PCIe					
Card (to be used with the FX4500)					
IVIDIA Quadro NVS 280 64MB PCI (See footnote 6) IVIDIA Quadro NVS 280 64MB PCIe	•	•	•	•	•
IVIDIA Quadro NVS 285 64MB PCIe	•	•	•		
IVIDIA Quadro FX540	•	•	•	•	•
IVIDIA Quadro FX1400	•	•	•	•	•
IVIDIA Quadro NVS400 IVIDIA Quadro NVS440 PCIe					<u> </u>
LI Graphics Connector					
TI v3100 PCle	•	•	•		
TI v5100 PCIe	8	8	8		
iystem RAM Iinimum (MB)	510	510	510	256	250
lanimum (MB) Maximum	512 8GB	512 8GB	512 8GB	256 4GB	256 8GB
lard Disks	000	000	000	400	000
II Supported SCSI Disk Drives	7	7	7	7	7
Il Supported SATA Disk Drives	7	7	7		
II Supported USB Drive Keys etwork Cards (no modem support)	•	•	•		
roadcom 5782 NetXtreme Gigabit PCI	•	•	•	2	2
roadcom 5751 PCIe	•	•	•	•	•
ntel Pro 1000 MT Gigabit PCI	•	•	•	2	2
Inboard Components		1			
Dhoard LAN - Broadcom 5751 10/100/1000 Dhoard Audio	•	•	•	•	•
Doboard SATA RAID	5	5	5	5	5
udd Ons					
EEE 1394 PCI Card					
Il non-RAID U320 SCSI Controllers	•	•	•	•	•
Creative Sound Blaster Audigy 2 ZS					
ardware RAID	5	5	5	5	5
temote Graphics Software					
temovable CD/DVD Media		I			l
IP 48x CD-ROM Drive IP 16x DVD-ROM Drive	•	•	•	•	•
IP 48x CD/RW Drive	•	•	•	•	•
P 16x dual-layer DVD+RW	4	4	4	•	4
nput/Output Devices (no spaceball support)					
IP 3-Button Mouse, PS/2 IP Scroll Mouse, PS/2	9	9	9	•	•
IP Optical Scroll Mouse, USB	9	9	9	•	•
IP Standard Keyboard, USB	9	9	9		
Iodular Keyboard/ TPM Module/ Smart Card					
Il Supported Monitors	•	•	•	•	•
All Supported Monitors ootnote 1 - Localization supported: (ABA US English, ABC French Canadian, ABD Ger Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-Englisi ootnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit. ootnote 3 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Rec	many, ABE Spain, ABF Franc h, AB0 Taiwan, AK6 Europe A	ce, ABG Australia, A A4, AC0 Belgium, AE	BU UK English, ABJ 3S Sweden, ABB Int'l	Japan, AB2 Chin English).	a (PRC), AB4
substitute correct platform name); Select "download drivers and software"; Select Os inux on HP Linux Workstations'	S; Select file to download. Se	e also http://hp.com	/support/linux_user_r	manual -> 'Install	
potnote 4 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drive	-	5			
botnote 5 - Hardware RAID is not supported on Linux systems; this includes the Promis SI 20320 A-R SCSI Card, Onboard SCSI Chipset RAID. The Linux kernel, with built-in ased RAID.					e to hardware-
ootnote 6 - 285 NVS PCI card may be used alone or with another card. See instruction	ns at http://hp.com/support/lin	ux_user_manual ->	'Multi-Monitor Config	urations on HP Li	nux Workstation
otnote 7 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not b	oth. We do offer mixed drive	s on the HPIKL (Fre	eDos) configuration.		
otnote 8 - The ATI v5100 is not supported due to Vesa driver issues during install. Ple now to install the ATI driver.	ease refer to the Release Note	es Chapter in http://	www.hp.com/support	linux_user_manu	al for instruction

footnote 8 - The ATI v5100 is not supported due to Vesa driver issues during install. Please refer to the Release Notes Chapter in http://www.hp.com/support/linux_user_manual for instructions on how to install the ATI driver.

footnote 9 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

Hardware Support Mat	trix for Current HP Linu	x Workstations			
HP xw4200 Wc First time support begins with RHEL 3 Up	orkstation Red Hat Linux pdate 2 (x86 & x86_64), a		l (x86 & x86_64)		
Product Items/Features (Blank box or unlisted means the component is NOT supported)	RH EL WS 3 U5 or later (x86)	RH EL WS 3 U5 or later (EM64T)	RH EL WS 4 U1 or later (x86 & EM64T)	7.2	7.3
HP Workstation Base System					
Base system includes: Chassis, System Board, USB, Power Supply, etc.	•	•	•	•	•
ocalization Kit (See footnote 3)					
HP Localization Kit Software	•	•	•	•	•
Remote Graphics Software	•	•			
All Supported Processors					-
All Supported Processors (1 & 2 CPU configs) Hyperthreading	•	•	•	•	•
Graphics Card (Video Card) (See footnote 1)			· ·		-
No Graphics Card NVIDIA Quadro FX330 64MB PCIe	•	•	•	•	•
NVIDIA Quadro FX1300 128MB PCIe	•	•	•	•	•
VVIDIA Quadro FX3400 256MB PCIe VVIDIA Quadro FX3450 256MB PCIe	•	•	•	•	•
VVIDIA Quadro FX4500 256MB PCIe					
G-Card (to be used with the FX4500) NVIDIA Quadro NVS 280 64MB PCI (See footnote 4)	•	•	•	•	•
NVIDIA Quadro NVS 280 64MB PCIe	•	•	•	•	•
NVIDIA Quadro FX540	•	•	•	•	•
NVIDIA Quadro FX1400 NVIDIA Quadro NVS400	•	•	•	•	•
NVIDIA Quadro NVS440 PCIe					
SLI Graphics Connector ATI v3100 PCIe	•	•	•		
ATI v5100 PCIe	8	8	8		
System RAM Minimum (MB)	512	512	512	128	128
Maximum	4GB	4GB	4GB	4GB	4GB
Hard Disks	5	E	5	5	5
All Supported SCSI Disk Drives All Supported SATA Disk Drives	5,7	5 5,7	5,7	5	5
All Supported USB Drive Keys		•	•		
Network Cards (no modem support) Broadcom 5782 NetXtreme Gigabit PCI	· ·	•	•	•	•
Broadcom 5751 PCIe	•	•	•	•	•
Intel Pro 1000 MT Gigabit PCI Onboard Components	•	•	•	•	•
Onboard LAN - Broadcom 5751 10/100/1000	•	•	•	•	•
Onboard Audio Onboard SATA RAID	• 6	• 6	•	•	• 6
Add Ons	0	0	0	0	0
IEEE 1394 PCI Card					
All non-RAID U320 SCSI Controllers SATA Controllers	•	•	•	•	•
Creative Sound Blaster Audigy 2 ZS					
Hardware RAID Removable CD/DVD Media	6	6	6	6	6
HP 48x CD-ROM Drive	•	•	•	•	•
HP 16x DVD-ROM Drive	•	•	•	•	•
HP 48x CD/RW Drive HP 48x DVD/CDRW Combo	•	•	•	•	•
HP 16x dual-layer DVD+RW	2	2	2		2
Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	9	9	9	•	•
HP Scroll Mouse, PS/2	9	9	9	•	•
HP Optical Scroll Mouse, USB HP Standard Keyboard, USB	9	9	9		
Modular Keyboard/ TPM Module/ Smart Card		,	,		
All Supported Monitors footnote 1 - Get the latest drivers and "HP Installer Kit for Linux - HP Driver CD for Rec (substitute correct platform name); Select "download drivers and software"; Select OS Linux on HP Linux Workstations'					
ootnote 2 - Linux growisofs supports DVD+RW on Red Hat EL WS 3 or later. For drive ootnote 3 - Localization supported: (ABA US English, ABC French Canadian, ABD Ge	rmany, ABE Spain, ABF Fran	ce, ABG Australia, A	BU UK English, ABJ	Japan, AB2 Chin	a (PRC), AB4
Singapore/ Malaysia, ABZ Italy, AB5 Hong Kong, ACF Japan-English, ACJ India-Englis ootnote 4 - 280 NVS PCI card may be used alone or with another card. The SLI conn See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configura	ector used to connect the grap	ohic cards together		° ,	ers RHEL3 U6.
ootnote 5 - Mixed hard drives are not offered on the preload. Use SATA or SCSI, not b	ooth. We do offer mixed drive	s on the HPIKL (Fre	eDos) configuration.		
footnote 6 - Hardware RAID is not supported on Linux systems; this includes the Promi LSI 20320 A-R SCSI Card, Onboard SCSI Chipset RAID. The Linux kernel, with built-in based RAID.					e to hardware-
iootnote 7 -The xw4200 can support up to 4 SATA drives. To support the 3rd and 4th S	ATA drives, you must acquire	the Optical Bay Co	nversion Kit for each	drive.	

footnote 8 - The ATI v5100 is not supported due to Vesa driver issues during install. Please refer to the Release Notes Chapter in http://www.hp.com/support/linux_user_manual for instructions on how to install the ATI driver.

footnote 9 - Keyboard/Mouse interface must be either PS2 or USB; mixing is not supported.

This Month's Change Log: Will be offering support on ATI cards. Will be offering Red Hat WS 3 U5 32-bit preload on xw4200 and Red Hat WS 3 U5 64-bit preload on xw4300, xw6200, xw8200, xw9300. Please refer to the Release Notes Chapter in http://www.hp.com/support/linux_user_manual.

ns with R⊢	t Linux Suppo IEL 3 Update EL WS 3 pre- install					
or later		9				
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		, i i i i i i i i i i i i i i i i i i i	0.0	7.5	install	1.2
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9	9	9	9	9	9, 8	9
•	•	•	•	•	2,8	•
6	6	6	6	6	6, 8	
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	• • 9 • • • • • • • • • • • • • • • • •		• • • <td>• • • • • • 9 9 9 • • • 6 6 6 • • •</td> <td>• • • • <t< td=""><td>• • • • 8 • • • • 2,8 9 9 9 9 9 9,8 • • • • 2,8 6 6 6 6 6,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 8 • • • 8 8</td></t<></td>	• • • • • • 9 9 9 • • • 6 6 6 • • •	• • • • <t< td=""><td>• • • • 8 • • • • 2,8 9 9 9 9 9 9,8 • • • • 2,8 6 6 6 6 6,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 8 • • • 8 8</td></t<>	• • • • 8 • • • • 2,8 9 9 9 9 9 9,8 • • • • 2,8 6 6 6 6 6,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 2,8 • • • • 8 • • • 8 8

footnote 6 - 280 NVS PCI card may be used alone or with the 280 NVS AGP card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'.

footnote 7 - The OS CDs for 'Red Hat Enterprise Linux WS 3' are included with preinstalled systems. For systems ordered with the HP Installer Kit for Linux, purchase the OS separately as an AMO kit. The May 2004 'HP Driver CD for Red Hat Enterprise Linux WS 3' contains drivers which are compatible with both the Update1 and Update2 32-bit OS AMO kits. Order box set AMO kits from http://www.hp.com/workstations/ia32/options/software.html

footnote 8 - Red Hat 7.3 pre-install was discontinued at the end of Feb. 2004. This column is a reference for users upgrading system components.

footnote 9 - This component was supported, but is no longer orderable with new systems.

This Month's Change Log: No update. View the latest version of this document at http://hp.com/support/linux_hardware_matrix

	egacy HP Linux V orkstation Red Hat ort begins with RH	Linux Supp	ort				
Product Items/Features	EL WS 3	EL WS 3	9	8.0	7.3	7.3 pre-	7.2
Blank box or unlisted means NOT supported) HP Workstation Base System (no IEEE-1394 support)	U1 or later	pre-install		0.0		install	
				1			
ase system includes: Chassis, System Board, USB, cables, etc.	- ·	•	•	•	•	7	•
ocalization Kit (See footnote 5)					1		
IP Localization Kit	•	•	•	•	•	2,7	•
Operating Systems (See footnote 1)		1		1	1		
IP Installer CD for Red Hat Linux (May 2004)			3	3	3		3
IP Driver CD for Red Hat Enterprise Linux WS 3 (May 2004)	3						
32-bit Red Hat Enterprise Linux WS 3 Preinstalled (Update 1 - May '04)		•					
ntel Pentium4/Xeon Processors							
All Supported Processors (1 & 2 CPU configs)		•	•	•	•	7	•
lyperthreading							
Sraphics Card (Video Card) (See footnote 3)							
No Graphics Card							
IVIDIA Entry 2D Graphics 32MB AGP				-			
IVIDIA Quadro4 200 NVS 64MB AGP			0			0.7	
IVIDIA Quadro NVS 280 64MB AGP	8	8	8	8	8	8,7	8
	•	•	•	•	· ·	2,7	•
IVIDIA Quadro NVS 280 64MB PCI	2	2	2	2	2	2,7	
IVIDIA Quadro NVS 400 128MB PCI							
IVIDIA Quadro4 380 XGL 64MB AGP	•	•	•	•	•	2,7	•
TI Fire GL T2-128 128MB AGP		•	•	•	•	2,7	
IVIDIA Quadro4 980 XGL 128MB AGP		•	•	•	•	2,7	•
TI Fire GL Z1 3D 128MB AGP	8	8	8	8	8	8, 7	
TI Fire GL X1 3D 256MB AGP	8	8	8	8	8	8, 7	
IVIDIA Quadro FX2000 128MB AGP							
IVIDIA Quadro FX3000 256MB AGP	- ·	•	•	•	•	2,7	
IVIDIA Quadro FX1100 128MB AGP	•	•	•	•	•	2,7	-
	<u> </u>	•	•	•	•	2,7	
System RAM		1		1	T		
/inimum (MB)	512	512	256	256	256	256	25
flaximum	12GB	12GB	8GB	8GB	8GB	8GB	3G
lard Disks (Preinstalled systems may only be ordered with one disk type: e	either SATA, SCSI, or	IDE, not mixe	ed.)		1		
II Supported EIDE ATA Disk Drives	•	•	•	•	•	7	•
II Supported non-RAID SCSI Controllers			•	•		7	
Il Supported SCSI Disk Drives						7	
II Supported SATA Disk Drives							
IP Drive Key 128, 256MB							
letwork Cards (no modem support)							
ntegrated I AN - (Broadcom 572 or Intel Pro)							
	•	•	•	•	•	•	•
iroadcom 5782 Card	•	•	•	•	•	2,7	
ntel Pro 1000 MT	· ·	•	•	•		2,7	
Removable CD/DVD Media		1		1	T	1	
IP 48x CD-ROM Drive		•	•	•	•	7	•
IP 16x DVD-ROM Drive		•	•			7	
IP 48x CD-RW Drive	•	•	•		•	7	
IP 48x DVD/CDRW Combo			•			7	
		<u> </u>		4	4	4, 7	
		4		4	4	4, /	
IP 8x DVD+RW 400i Kit	4	4	4				
IP 8x DVD+RW 400i Kit nput/Output Devices (no spaceball support)	4	4	4		1		
IP 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) IP 3-Button Mouse, PS/2	•	4	•		.	7	•
P 8x DVD+RW 400i Kit oput/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2	4	4	•	•	•	7	•
P 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2 P Optical Scroll Mouse, USB	•	•	•	•	•		•
P 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2 P Optical Scroll Mouse, USB	•	•	•	•	•	7	
P 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2 P Optical Scroll Mouse, USB		· · ·	•	•	•	7	•
P 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2 P Optical Scroll Mouse, USB Il Supported Monitors storet 1 - OS references in this matrix are part of the "HP Installer Kit for Linux"	unless labeled as prei	• • • • • •	• • • • •	• d Driver CDs	from the "HP	7 7 7 7	•
P & DVD+RW 400i Kit put/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2 P Optical Scroll Mouse, USB Il Supported Monitors Supported Monitors bothote 1 - OS references in this matrix are part of the "HP Installer Kit for Linux" conjunction with Red Hat CDs (purchase separately) to add customizations for	unless labeled as prei HP hardware. Check f		• • • • • • • • • • • • • • • • • • •	• d Driver CDs ee footnote 3.	from the "HP	7 7 7 7	•
IP & DVD+RW 400i Kit hput/Output Devices (no spaceball support) IP 3-Button Mouse, PS/2 IP Scroll Mouse, PS/2 IP Optical Scroll Mouse, USB II Supported Monitors Southoute 1 - OS references in this matrix are part of the "HP Installer Kit for Linux" in conjunction with Red Hat CDs (purchase separately) to add customizations for potnote 2 - Not orderable integrated into systems. Order AMO (After Market Only	unless labeled as prei HP hardware. Check f	• •	• • • • • • • • • • • • • • • • • • •	d Driver CDs ee footnote 3.	from the "HP	7 7 7 Installer Kit for	•
IP & DVD+RW 400i Kit http://www.http://wwww.http://www.http://www.http://www.http://www.http://ww	* unless labeled as prei HP hardware. Check ff) kit and do mandator 3, 8.0, 9-* and "HP Di		P Installer and D images - So web driver. S	d Driver CDs ee footnote 3. see footnote 3 rise Linux 3"	from the "HP	7 7 7 Installer Kit for	• r Linux"
IP 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) IP 3-Button Mouse, PS/2 IP 3-Button Mouse, PS/2 IP Optical Scroll Mouse, USB II Supported Monitors botinote 1 - OS references in this matrix are part of the "HP Installer Kit for Linux" conjunction with Red Hat CDs (purchase separately) to add customizations for botinote 2 - Not orderable integrated into systems. Order AMO (After Market Only botinote 3 - Get the latest drivers and "HP Installer C for Red Hat Linux <7.2, 7. ttp://www.hp.com/support/cww4100, wr6000, "Select "download driver fuel for Red Hat Linux on HP Linux Workstations"	" unless labeled as pre HP hardware. Check f) kit and do mandator 3, 8,0, 9>" and "HP Di rs and software"; Sele	install. The HF or updated ISC y download of fiver CD for Re ct OS; Select	• • • D images - So web driver. S web driver. S d Hat Enterp file. See www	d Driver CDs ee footnote 3. ee footnote 3 rise Linux 3" w.hp.com/sup	from the "HP ISO images I	7 7 7 Installer Kit for from er_manual ->	• r Linux" 'Install
P & DVD+RW 400i Kit put/Output Devices (no spaceball support) P 3-Button Mouse, PS/2 P Scroll Mouse, PS/2 P Optical Scroll Mouse, USB II Supported Monitors II Supported Monitors II Supported Monitors Output Devices (Device Stream S	unless labeled as prei HP hardware. Check f Hy hardware. Check f I wit and do mandator rs and software'; Sele Hat EL WS 3. Nero D	install. The HH ror updated ISC y download of vicer CD for Re kct OS; Select VD+RW softw	P Installer and images - Sr web driver. S kd Hat Enterp file. See www are is suppor	d Driver CDs ee footnote 3 rise Linux 3" w.hp.com/sup ted on RedHa	from the "HP ISO images I poprt/linux_us at 7.3, 8.0, 9,	7 7 7 Installer Kit for from er_manual -> and EL WS 3.	r Linux" 'Install Drive
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² 8x DVD+RW 400i Kit put/Output Devices (no spaceball support) ² 3-Button Mouse, PS/2 ² Scroll Mouse, PS/2 ² Optical Scroll Mouse, USB ³ Supported Monitors ³ ³ Usupported Monitors ³ ⁴ Strong Monitors ⁴ ⁴ Conferences in this matrix are part of the "HP Installer Kit for Linux" ⁴ conjunction with Red Hat CDs (purchase separately) to add customizations for ⁴ to torderable integrated into systems. Order AMO (After Market Only ⁴ optical S - Get the latest drivers and "HP Installer CD for Red Hat Linux <7.2, 7. ⁴ ⁴ (2) Confusion (2) Confusion (2) Confusions ⁴ Confusion (2) Confusions ⁴ Confusions ⁴ Confusion (2) Confusions ⁴ Confusions ⁴ Confusions ⁵ Controle 2. ⁵ Controle 2. ⁵ Controle 2. ⁵ Controle 2. ⁵ Controle 3. Control (RC), ABC Singapore/ Malaysia, ABC Tranch Canadian, AB ⁵ and ABC China (PRC), AB4 Singapore/ Malaysia, ABC Italy, AB5 Hong Kong. ⁵	" unless labeled as prei HP hardware. Check f I) kit and do mandator 3, 8.0, 95" and "HP Di rs and software"; Sele Hat EL WS 3. Nero D ID Germany, ABE Spa ACF Japan-English, A ACF Japan-English, A reinistalled systems. Fr	Install. The HIM Inst	P Installer and D images - So web driver. S d Hat Enterp file. See wwo are is suppor s, ABG Austra h, AK6 Euro	d Driver CDs see footnote 3. see footnote 3 rise Linux 3" w.hp.com/sup ted on RedHi alia, ABU UK pe A4). HP Installer	from the "HP ISO images is sport/linux_us at 7.3, 8.0, 9, English, ABF	7 7 7 7 Installer Kit for from er_manual -> and EL WS 3. Japan-English purchase the C	r Linux" 'Install Drive n, ABJ

ootnote 8 - This component was supported, but is no longer orderable with new systems.

This Month's Change Log: No update. View the latest version of this document at http://hp.com/support/linux_hardware_matrix

Hardware Support Matrix for Leg	acy HP Linu	ıx Workstati	ons (Pent	ium4/Xeon)			
HP xw6000 Work First time suppor							
Product Items/Features (Blank box or unlisted means NOT supported)	EL WS 3 U1 or later	EL WS 3 pre- install	9	8.0	7.3	7.3 pre- install	7.2
HP Workstation Base System (no IEEE-1394 support)						11	
Base system includes: Chassis, System Board, USB, cables, etc.	•	•	•	•	•	8	•
Localization Kit (See footnote 5)				Г	T	т — т	
HP Localization Kit	•	•	•	•	•	2,8	•
Operating Systems (See footnote 1) HP Installer CD for Red Hat Linux (May 2004)			3	3	3	Γ Γ	3
HP Driver CD for Red Hat Enterprise Linux WS 3 (May 2004)	3		5	5	5		5
32-bit Red Hat Enterprise Linux WS 3 Pre-installed (Update 1 - May 2004)	Ŭ	•					
Intel Pentium4/Xeon Processors							
All Supported Processors (1 & 2 CPU configs)	•	•	•	•	•	8	•
Hyperthreading	•	•	•				
Graphics Card (Video Card) (See footnote 3)				T	1	1	
No Graphics Card NVIDIA Entry 2D Graphics 32MB AGP	•	•	•	•	•	•	•
NVIDIA Entry 2D Graphics S2IVIB AGP	9	9	9	9	9	9, 8	9
NVIDIA Quadro NVS 280 64MB AGP	•	•	•	•	•	2,8	•
NVIDIA Quadro NVS 280 64MB PCI	6	6	6	6	6	6, 8	
NVIDIA Quadro NVS 400 128MB PCI							
NVIDIA Quadro4 380 XGL 64MB AGP	•	•	•	•	•	2,8	
ATI FireGL T2-128 128MB AGP	•	•	•	•	•	2,8	
NVIDIA Quadro4 980 XGL 128MB AGP ATI Fire GL Z1 3D 128MB AGP	• 9	• 9	• 9	•	• 9	2,8	
ATI Fire GL X1 3D 256MB AGP	9	9	9	9	9	9, 8 9, 8	
NVIDIA Quadro FX2000 128MB AGP	•	•	•	•	•	2,8	
NVIDIA Quadro FX3000 256MB AGP	•	•	•	•	•	2,8	
NVIDIA Quadro FX1100 128MB AGP	•	•	•	•	•	2,8	
System RAM	-			1	T	r – – – – –	
Minimum (MB)	512	512	256	256	256	256	256
Maximum Hard Disks (Preinstalled systems may only be ordered with one disk type: either	8GB	8GB	8GB	8GB	8GB	8GB	4GB
All Supported EIDE ATA Disk Drives	•	•	•	•	•	8	•
All Supported non-RAID SCSI Controllers	•	•	•	•	•	8	•
All Supported SCSI Disk Drives	•	•	•	•	•	8	•
All Supported SATA Disk Drives							
HP Drive Key 128, 256MB	•	•					
Network Cards (no modem support)					1	г – т	
Integrated LAN - (Broadcom 57x2,or Intel Pro) Broadcom 5782 Card	•	•	•	•	•	• 2,8	•
Intel Pro 1000 MT		•	•	•	•	2,8	
Removable CD/DVD Media							
				<u> </u>		2,0	
HP 48x CD-ROM Drive	•	•	•	• •	•	8	•
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive	•	•			•	,	•
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive	•	•	•		•	8 8 8 8	
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo	• • •	• • •	•	•	• • •	8 8 8 8 8	
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 8x DVD/RW 400i Kit	•	•	•		•	8 8 8 8	
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 8x DVD/CDRW 400i Kit Input/Output Devices (no spaceball support)	• • 4	• • • 4	• • • 4	• • • 4	•	8 8 8 8 4,8	•
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 8x DVD/RW 400i Kit	• • •	• • •	•	•	• • •	8 8 8 8 8	
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 48x DVD+RW 400i Kit Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2	• • 4	• • 4	• • • 4	• • • 4	•	8 8 8 4,8 8	•
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 8x DVD+RW 400i Kit Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2	• • • • • • • • • • • • • • • • • • • •	• • 4	• • • 4	• • • • • •	• • • • • • • • • • • • • • • • • • • •	8 8 8 4,8 8 8 8 8	•
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 8x DVD/CDRW Combo HP 8x DVD/CDRW Combo HP 3-Button Mouse, PS/2 HP 3-Button Mouse, PS/2 HP Optical Scroll Mouse, USB All Supported Monitors footnote 1 - OS references in this matrix are part of the "HP Installer Kit for Linux" unles conjunction with Red Hat CDs (purchase separately) to add customizations for HP hard footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit ar footnote 3 - Get the latest drivers and "HP Installer CD for Red Hat Linux <7.2, 7.3, 8.0,	A A					8 8 8 4,8 8 8 8 8 8 8 8 8 8 8 8 8	• • • •
HP 48x CD-ROM Drive HP 48x CD-ROM Drive HP 48x CD-RW Drive HP 48x CD-RW Drive HP 48x DVD/CDRW Combo HP 8x DVD/RW 400 Kit Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB All Supported Monitors footnote 1 - OS references in this matrix are part of the "HP Installer Kit for Linux" unless conjunction with Red Hat CDs (purchase separately) to add customizations for HP hard footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit ar footnote 3 - Get the latest drivers and "HP Installer CD for Red Hat Linux <7.2, 7.3, 8.0, http://www.hp.com/support/ <xw4100, xw6000,="" xw8000="">; Select "download drivers and Red Hat Linux on HP Linux Workstations' footnote 4 - Linux growisofs support for DVD+RW is available only on 32-bit Red Hat EL</xw4100,>	A A					8 8 8 4, 8 8 8 8 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	• • • * * " work in Il Guide for
HP 48x CD-ROM Drive HP 16x DVD-ROM Drive HP 48x CD-RW Drive HP 48x CD-RW Combo HP 48x DVD/CDRW Combo HP 3x DVD/CDRW combo HP 3x DVD+RW 400i Kit Input/Output Devices (no spaceball support) HP 3-Button Mouse, PS/2 HP Scroll Mouse, PS/2 HP Optical Scroll Mouse, USB All Supported Monitors footnote 1 - OS references in this matrix are part of the "HP Installer Kit for Linux" unles conjunction with Red Hat CDs (purchase separately) to add customizations for HP hard footnote 2 - Not orderable integrated into systems. Order AMO (After Market Only) kit ar footnote 3 - Get the latest drivers and "HP Installer CD for Red Hat Linux <7.2, 7.3, 8.0, http://www.hp.com/support/ <xw4100, xw6000,="" xw8000="">; Select "download drivers and Red Hat Linux on HP Linux Workstations'</xw4100,>						8 8 8 4,8 8 8 8 8 aller Kit for Linux nanual -> 'Insta	• • • * * * * * * * * * * * * * * * * *

footnote 6 - 280 NVS PCI card may be used alone or with the 280 NVS AGP card. See instructions at http://hp.com/support/linux_user_manual -> 'Multi-Monitor Configurations on HP Linux Workstations'.

footnote 7 - The OS CDs for 'Red Hat Enterprise Linux WS 3' are included with preinstalled systems. For systems ordered with the HP Installer Kit for Linux, purchase the OS separately as an AMO kit. The May 2004 'HP Driver CD for Red Hat Enterprise Linux WS 3' contains drivers which are compatible with both the Update1 and Update2 32-bit OS AMO kits. Order box set AMO kits from http://www.hp.com/workstations/ia32/options/software.html

footnote 8 - Red Hat 7.3 pre-install was discontinued at the end of Feb. 2004. This column is a reference for users upgrading system components.

footnote 9 - This component was supported, but is no longer orderable with new systems.

This Month's Change Log: No update. View the latest version of this document at http://hp.com/support/linux_hardware_matrix