



Computer Setup (F10) Utility Guide

HP Compaq d220 and d230 Microtower

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This guide provides instructions on how to use Computer Setup. This tool is used to reconfigure and modify computer default settings when new hardware is installed and for maintenance purposes.

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CAUTION: Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

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First Edition (June 2003)

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Computer Setup (F10) Utility

Computer Setup (F10) Utilities

Use Computer Setup (F10) Utility to do the following:

- Change factory default settings.
- Set the system date and time.
- Set, view, change, or verify the system configuration, including settings for processor, graphics, memory, audio, storage, communications, and input devices.
- Modify the boot order of bootable devices such as hard drives, diskette drives, or optical drives.
- Configure the boot priority of IDE hard drive controllers.
- Enable the power-on password prompt during system restarts (warm boots) as well as during power-on.
- Establish a setup password that controls access to Computer Setup (F10) Utility and the settings described in this section.

Using Computer Setup (F10) Utilities

Computer Setup can be accessed only by turning the computer on or restarting the system. To access the Computer Setup Utilities menu, complete the following steps:

1. Turn on or restart the computer. If you are in Windows, click Start > Shut Down > Restart the Computer.
2. When the computer starts to boot, press the F10 key.



If you do not access Computer Setup while the computer is booting, you must restart the computer again to access the utility.

3. A choice of ten headings appears in the Computer Setup Utilities menu.
4. Use the arrow (up and down) keys to select the appropriate heading. Use the arrow (up and down) keys to select the option you want, then press the Enter key. To return to the Computer Setup Utilities menu, press the Esc key.
5. To apply and save changes, select Save Settings and Exit.
 - If you have made changes that you do not want applied, select Exit Without Saving.
 - To reset to factory settings, select Load Default Settings. This option will restore the original factory system defaults.



CAUTION: Do NOT turn the computer power OFF while the ROM is saving your F10 Computer Setup changes because the CMOS could become corrupted. It is safe to turn off power to the computer after you exit the F10 Setup screen.

Computer Setup


Heading	Option	Description
System Information	None	Lists: <ul style="list-style-type: none"> • Serial Number • Product Name • Chipset Type • BIOS Version • BIOS Release Date • Processor Type • Processor Speed • CPU ID • L1 and L2 Cache Size • Memory Information
Standard CMOS Setup	System Time (hh/mm/ss)	Sets the system time (24 hour format).
	System Date (mm/dd/yyyy)	Sets the system date.
	Floppy Drive A	Calculates the size and capacity of the floppy drive.
	Primary IDE Master	Auto detects which hard drive is the Primary Master drive.
	Primary IDE Slave	Auto detects which hard drive is the Primary Slave drive.
	Secondary IDE Master	Auto detects which hard drive is the Secondary Master drive.
	Secondary IDE Slave	Auto detects which hard drive is the Secondary Slave drive.



Support for Computer Setup options may vary depending on your specific hardware configuration.


Computer Setup (Continued)

Heading	Option	Description
Advanced CMOS Setup	Boot Device Priority	Specifies the boot order for all devices.
	Post Delay Time (in seconds)	Sets the amount of time before the Setup Utility prompt (F10=Setup) appears when the computer boots. <ul style="list-style-type: none">• None: POST Delay Time disable (Default)• 5: POST Delay 5 seconds• 15: POST Delay 15 seconds• 25: POST Delay 25 seconds• 35: POST Delay 35 seconds
	System Keyboard	Detects if a keyboard is present when the computer boots. Absent: keyboard not detected (Default) Present: keyboard detected
	APIC ACPI SCI IRQ	Enables or disables the internal I/O APIC and Multiprocessor Tables. (Disabling the APIC ACPI SCI IRQ may require you to reinstall the operating system.) <ul style="list-style-type: none">• Enable: IRQ 20-23 (Default)• Disable: IRQ 09-11

 Support for Computer Setup options may vary depending on your specific hardware configuration.


Computer Setup (Continued)

Heading	Option	Description
Advanced CMOS Setup (Continued)	Hyper-Threading Technology	Enables or disables the Intel Hyper-Threading Technology. (This item is only selectable with the Intel HTT CPU plug-in) <ul style="list-style-type: none"> • Enable: Intel HTT function enable (BIOS auto detect) • Disable: Intel HTT function disable (BIOS auto detect)
	Internal Graphic Mode Select	Selects the size of memory for internal graphic adapter. <ul style="list-style-type: none"> • 512KB: Share 512KB • 1MB: Share 1MB • 8MB: Share 8MB (Default)
Power Management Setup	ACPI Standby State	Sets the ACPI Standby State when system goes into ACPI Standby Mode. <ul style="list-style-type: none"> • S1/POS: Power on Suspend • S3/STR: Suspend to RAM (Default)
	Restore on AC/Power Loss	Sets the system status after AC power loss. <ul style="list-style-type: none"> • Power Off: System always Powers Off (Default) • Power On: System always Powers On • Last State: System returns to the last state before AC power loss

 Support for Computer Setup options may vary depending on your specific hardware configuration.

Computer Setup (Continued)

Heading	Option	Description
Power Management Setup (Continued)	Resume On Ring	Sets the Resume On Ring from soft off. <ul style="list-style-type: none">• Disable: Ring Resume disable (Default)• Enable: Ring Resume enable
	Resume On LAN	Sets the Resume On LAN from soft off. <ul style="list-style-type: none">• Disable: LAN Resume disable• Enable: LAN Resume enable (Default)
	Resume On PME	Sets the Resume On PME from soft off. <ul style="list-style-type: none">• Disable: PME Resume disable• Enable: PME Resume enable (Default)
Peripheral Setup	OnBoard LAN	Enables or disables the OnBoard LAN. <ul style="list-style-type: none">• Disable: OnBoard LAN disabled• Enable: OnBoard LAN enabled (Default)
	OnBoard LAN Chip Boot ROM	Enables or disables the OnBoard LAN Chip Boot ROM. <ul style="list-style-type: none">• Disable: OnBoard LAN Chip Boot ROM disabled• Enable: OnBoard LAN Chip Boot ROM enabled (Default)

 Support for Computer Setup options may vary depending on your specific hardware configuration.

Computer Setup (Continued)


Heading	Option	Description
Peripheral Setup (Continued)	Init. Graphics Adapter Priority	<p>Sets the initial priority of the graphics adapter (NR138 GE/GV has different options)</p> <ul style="list-style-type: none"> • NR138 GE <ul style="list-style-type: none"> • AGP/Int-VGA • AGP/PCI (Default) • PCI/Int-VGA • NR138 GV <ul style="list-style-type: none"> • PCI/Int-VGA (Default)
	USB Controller	<p>Enables or disables the USB Controller.</p> <ul style="list-style-type: none"> • Disable: USB Controller disabled • Enable: USB Controller enabled (Default)
	USB 1.1 Device Legacy Support	<p>Sets the USB 1.1 Device Legacy Support under DOS Mode.</p> <ul style="list-style-type: none"> • Disable: USB 1.1 Device Legacy Support disabled • No Mice: A mouse is not supported • All Device: All devices are supported



Support for Computer Setup options may vary depending on your specific hardware configuration.

Computer Setup (Continued)

Heading	Option	Description
Peripheral Setup (Continued)	OnBoard Serial Port	Sets the OnBoard Serial PortA settings <ul style="list-style-type: none"> • Auto (Default) • Disable • 3F8/COM1 • 2F8/COM2 • 3E8/COM3 • 2E8/COM4
	OnBoard Parallel Port	Sets the OnBoard Parallel Port settings <ul style="list-style-type: none"> • Auto (Default) • Disable • 378 • 278
Hardware Monitor	CPU Warning Temperature	Warns when CPU temperature is greater than 85°C/185°F.
	CPU Shutdown Temperature	System will shutdown when CPU temperature is greater than 90°C/194°F.
	System Warning Temperature	Warns when system temperature is greater than 60°C/140°F.
	System Shutdown Temperature	System will shutdown when system temperature is greater than 65°C/149°F.
	CPU Temperature	Detects current CPU temperature
	System Temperature	Detects current system temperature
	CPU FAN Speed	Detects CPU FAN speed

 Support for Computer Setup options may vary depending on your specific hardware configuration.

Computer Setup (Continued)


Heading	Option	Description
Hardware Monitor (Continued)	Chassis FAN Speed	Detects current chassis FAN speed
	CPU VID	Detects current CPU voltage
	Vccp	Detects current Vccp voltage
	+1.5V	Detects current ATX power +1.5V
	+2.5V	Detects current ATX power +2.5V
	+3.3V	Detects current ATX power +3.3V
	+5.0V	Detects current ATX power +5.0V
	+12.0V	Detects current ATX power +12.0V
	HVcc (+3.3VSB)	Detects current HVcc voltage
Password Option	Change Supervisor Password	Allows you to set and change the supervisor password
	Password Status	Shows password status
	Password Check	Allows you to set the password check when the supervisor password is set up <ul style="list-style-type: none"> • Setup: Password prompt appears when BIOS is executed • Always: Password verification is checked every time the computer boots (Default)
Load Default Settings	None	Loads the optimal default values for all of the setup options



Support for Computer Setup options may vary depending on your specific hardware configuration.

Computer Setup (Continued)

Heading	Option	Description
Save Settings and Exit	None	Saves changes and exits setup.
Exit Without Savings	None	Allows you to exit setup without saving any changes

 Support for Computer Setup options may vary depending on your specific hardware configuration.
