	Н	ewlett-Packar	d Certificate of Volatility	
Model:		t Number:		Address:
HP PageWide MFP	J7Z			Hewlett Packard Company
Managed E77650zs	J7Z	.07A		11311 Chinden Blvd
HP PageWide MFP	2GI	P13A		Boise, ID 83714
	2GI	P14A		
Managed E77660zs				
		Vol	atile Memory	
Does the device contain vo	olatile memo		se contents are lost when power is	removed)?
		e the type, size, for	unction, and steps to clear the me	
Type (SRAM, DRAM, etc): DDR3 -DRAM	Size:	User Modifiable:	Function:	Steps to clear memory:
DDR3 -DRAW	5.5 GB	☐ Yes ⊠ No	Contains decompressed system firmware and print data during	When the printer is powered off, the memory is erased.
			printing	
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
DDR3 -DRAM	2 GB	☐ Yes ⊠ No	Contains acceleration system	When the printer is powered
			software	off, the memory is erased.
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
DDR3 -DRAM	128 MB	☐ Yes ⊠ No	Contains decompressed system	When the printer is powered
			software	off, the memory is erased.
			olatile Memory	
			whose contents are retained wher unction, and steps to clear the me	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
IOD EEPROM	64 KB	⊠ Yes □ No	Store customer setting data for backup/restore	There are no steps to clear this data.
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
EEPROM	32 KB	⊠ Yes □No	Contains system control data, user preferences and variables	User preferences and variables cleared by performing various
			professione and variables	resets via "Support" menu.
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
EEPROM (2 devices)	64 KB	Yes No	Contains backup of critical system	Cleared by backing up data from
	& 64 KB		control data and critical user	a previously reset system.
Type (Flash, EEPROM, etc):	64 KB Size:	User Modifiable:	preferences. Function:	Steps to clear memory:
Flash	128 MB	☐ Yes ⊠ No	In-Line Finisher System Firmware	N/A
			and firmware upgrade, system control data.	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Secure EEPROM	18 KB	☐ Yes ⊠ No	Contains secure internal printer data.	N/A
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
EEPROM (3 devices)	1 KB	☐ Yes ⊠ No	Contains internal printer data	N/A
	1 KB 64 KB			
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Flash	4 MB	☐ Yes ⊠ No	System Acceleration Firmware and firmware upgrade	Firmware upgrade
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
eMMC	8 GB	☐ Yes ⊠ No	System Acceleration Firmware and	Firmware upgrade
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	firmware upgrade Function:	Steps to clear memory:
Flash	6 KB	☐ Yes ⊠ No	Contains secure internal printer	N/A
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	data. Function:	Steps to clear memory:
Flash (2 devices)	8 MB	☐ Yes ⊠ No	Diagnostic Data Storage, Firmware	N/A
	+ 8 MB		and firmware upgrade.	
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Mass Storage								
Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?								
Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:				
HDD	320 GB	⊠ Yes □ No	System firmware and firmware upgrade. System control data,	User preferences and variables cleared by performing various resets				
TIDD	320 GB		user preferences, variables	via "Support" menu.				
			and encrypted job storage and	Encrypted job storage and PIN				
			PIN printing.	printing Sanitization must be				
				performed using the printer's				
				Embedded Web Server (EWS). Using a web browser on the same network				
				as the printer, browse to the printer's				
				IP address. Select the				
				"Security" tab at the top, and then				
				from the left navigation bar, select the "Security->Protect Stored Data" menu				
				items. Select the types of files to be				
				erased and click on the "Apply"				
				button.				
USB								
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)?								
				mano apaaros, coan aproaa,				
			oads and 3rd part application lo	oading.				
Can any data other than so			3 device)?					
Yes No If Yes plea								
Diagnostic service logs can be uploaded. Back-up of encrypted system settings. Supports Hardware Integration Pocket (HIP) devices.								
Additional information:								
				t ports can be accessed from the				
			an accessory option where a H HP protocol and enables both	lardware Integration Pocket (HIP)				
			the product and is added by the					
		•	RF/RFID					
Doos the item use PE or P	FID for room		any data including remote diag	anastics (a.g. Callular phone				
		ase describe belo		griostics. (e.g. Celidiai priorie,				
Purpose:	5 11 1 00 piot	200 00001120 2010						
Frequency:		Bandwidth						
Modulation:			Effective Radiate Power	r (ERP):				
Specifications:								
	Other Transmissis Constitution							
		Other Tran	semission Canabilities					
	ov other met		smission Capabilities	any data whatsoever (e.g. anything				
Does the device employ ar		thods of non-wired	d access to transmit or receive	any data whatsoever (e.g. anything				
Does the device employ ar other than standard hard w		thods of non-wired	d access to transmit or receive	any data whatsoever (e.g. anything ☑ No If Yes please describe below:				
Does the device employ ar		thods of non-wired	d access to transmit or receive					
Does the device employ ar other than standard hard w Purpose:		thods of non-wired	d access to transmit or receive parallel connections)? Tes	☑ No If Yes please describe below:				
Does the device employ ar other than standard hard w Purpose: Frequency:		thods of non-wired	d access to transmit or receive parallel connections)?  Yes [	☑ No If Yes please describe below:				
Does the device employ ar other than standard hard w Purpose: Frequency: Modulation:		thods of non-wired P, direct USB, or p	d access to transmit or receive parallel connections)?  Yes  Bandwidth: Effective Radiate Power	☑ No If Yes please describe below:				
Does the device employ ar other than standard hard we Purpose: Frequency: Modulation: Specifications	vired TCP/IF	thods of non-wired P, direct USB, or p	d access to transmit or receive parallel connections)?  Yes  Bandwidth: Effective Radiate Power	No If Yes please describe below:				
Does the device employ ar other than standard hard w Purpose: Frequency: Modulation: Specifications  Does the device employ ar	vired TCP/IF	thods of non-wired of direct USB, or p  Othe	d access to transmit or receive transmit or re	No If Yes please describe below:				
Does the device employ ar other than standard hard we Purpose: Frequency: Modulation: Specifications  Does the device employ ar whatsoever? Yes	vired TCP/IF	thods of non-wired P, direct USB, or p	d access to transmit or receive transmit or re	No If Yes please describe below:				
Does the device employ ar other than standard hard w Purpose: Frequency: Modulation: Specifications  Does the device employ ar	vired TCP/IF	thods of non-wired of direct USB, or p  Othe	d access to transmit or receive transmit or re	No If Yes please describe below:				
Does the device employ ar other than standard hard we Purpose: Frequency: Modulation: Specifications  Does the device employ ar whatsoever? Yes Purpose:	vired TCP/IF	othed of communic please describe b	Bandwidth:  Effective Radiate Power er Capabilities eations such as a Modem to tra-	No If Yes please describe below:				
Does the device employ ar other than standard hard we Purpose: Frequency: Modulation: Specifications  Does the device employ ar whatsoever? Yes Purpose: Specifications:	vired TCP/IF	Othe hodge describe b	Bandwidth:  Effective Radiate Power rations such as a Modern to trailelow:  The properties of the prop	No If Yes please describe below:  r (ERP):  nsmit or receive any data				
Does the device employ ar other than standard hard we Purpose: Frequency: Modulation: Specifications  Does the device employ ar whatsoever? Yes Purpose:	ny other met	othed of communic please describe b	Bandwidth:  Effective Radiate Power er Capabilities eations such as a Modem to transelow:  or Information  Email	No If Yes please describe below:  r (ERP):  nsmit or receive any data  Business Unit				
Does the device employ ar other than standard hard we Purpose: Frequency: Modulation: Specifications  Does the device employ ar whatsoever? Yes Purpose: Specifications:	ny other met No If Yes	Othe thod of communic please describe b  Authoritite	Bandwidth:  Effective Radiate Power er Capabilities ations such as a Modem to transelow:  or Information  Email	No If Yes please describe below:  r (ERP):  nsmit or receive any data  Business Unit				