Hewlett-Packard Certificate of Volatility

Model: HP PageWide MFP Managed E77650dn HP PageWide MFP Managed E77660dn	Part Number: J7Z13A Z5G77A 2GP04A 2GP05A	Address: Hewlett Packard Company 11311 Chinden Blvd Boise, ID 83714

Volatile Memory

Does the device contain volatile memory (Memory whose contents are lost when power is removed)?
☒ Yes ☐ No If Yes please describe the type, size, function, and steps to clear the memory below

Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
DDR3 -DRAM	3.5 GB	☐ Yes ☒ No	Contains decompressed system firmware and print data during printing	When the printer is powered off, the memory is erased.
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☒ No	Function:	Steps to clear memory:

Non-Volatile Memory

Does the device contain non-volatile memory (Memory whose contents are retained when power is removed)?
☒ Yes ☐ No If Yes please describe the type, size, function, and steps to clear the memory below

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.
EEPROM	32 KB	☒ Yes ☐ No	Contains system control data, user preferences and variables	User preferences and variables cleared by performing various resets via "Support" menu.
EEPROM (2 devices)	64 KB & 64 KB	☐ Yes ☒ No	Contains backup of critical system control data and critical user preferences.	Cleared by backing up data from a previously reset system.
Secure EEPROM	18 KB	☐ Yes ☒ No	Contains secure internal printer data.	N/A
EEPROM	1 KB	☐ Yes ☒ No	Contains internal printer data	N/A
Flash	6 KB	☐ Yes ☒ No	Contains secure internal printer data.	N/A
Flash (2 devices)	8 MB + 8 MB	☐ Yes ☒ No	Diagnostic Data Storage, Firmware and firmware upgrade	N/A

Mass Storage

Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?

☒ Yes ☐ No If Yes please describe the type, size, function, and steps to clear the memory below

Type (HDD, Tape, etc):	Size:	User Modifiable: ☒ Yes ☐ No	Function:	Steps to clear memory:
HDD	320 GB		System firmware and firmware upgrade. System control data, user preferences, variables and encrypted job storage and PIN printing.	User preferences and variables cleared by performing various resets via "Support" menu. Encrypted job storage and PIN 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)?

☒ Yes ☐ No If Yes please describe below

Purpose is for Print Jobs, Device FW updates, scan uploads and 3rd part application loading.

Can any data other than scan upload be sent to the USB device)?

☒ Yes ☐ No If Yes please describe below

Diagnostic service logs can be uploaded. Back-up of encrypted system settings. Supports Hardware Integration Pocket (HIP) devices.

Additional information:
This product has both a USB device port and 2 USB host ports. Data on the USB host ports can be accessed from the device port. Also, an internal mini-B USB port enables an accessory option where a Hardware Integration Pocket (HIP) device can be added. The HIP option conforms to the HIP protocol and enables both HP and 3rd party hardware/software. The HIP device does not ship with the product and is added by the user as an option.

RF/RFID

Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth) ☐ Yes ☒ No If Yes please describe below

Purpose:	
Frequency:	Bandwidth:
Modulation	Effective Radiate Power (ERP):
Specifications:	

Other Transmission Capabilities

Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything other than standard hard wired TCP/IP, direct USB, or parallel connections)? ☐ Yes ☒ No If Yes please describe below:

Purpose:	
Frequency:	Bandwidth:
Modulation:	Effective Radiate Power (ERP):
Specifications	

Other Capabilities

Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever? ☐ Yes ☒ No If Yes please describe below:

Purpose:
Specifications:

Author Information

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