

Letter of Volatility

Model Number:	Part Number:	Manufacturer:
HP PageWide Managed P75050dn	Y3Z45A	Street Address: HP, Inc. 1115 SE 165 th Ave, Suite 210 Vancouver, WA 98683

Volatile Memory

Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?

Yes No

If the answer is "Yes", please provide the following information for each type (use additional sheets if required)

Type (SRAM, DRAM, etc): DDR3 DRAM (3 devices)	Size 512MB + 512MB, and 512MB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> <u>No</u>	Function: Contains decompressed system firmware and print data during printing	Process to Sanitize: Power Off printer
Type (SRAM, DRAM, etc):	Size:	User Modifiable: <input type="checkbox"/> Yes <input type="checkbox"/> No	Function:	Process to Sanitize:

Non-Volatile Memory

Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)? Yes No

Type (eMMC, Flash, EEPROM, etc): eMMC (1 device)	Size: 8GB eMMC	User Modifiable: <input checked="" type="checkbox"/> <u>Yes</u> <input type="checkbox"/> No	Function: System Firmware and firmware upgrade, system control data, user preferences, user variables, image data, and encrypted job storage and PIN printing.	Process to Sanitize: On units with older versions of Firmware (versions LIMOFWPP1N002 through 1N005), User preferences and user variables, image data, and encrypted job storage and PIN printing cleared by performing a reset via "Restore Factory Defaults". Access to this function can be found under: Home menu Support tools Maintenance "Restore Factory Defaults" On units with newer versions of Firmware (version LIMOFWPP1N006 or greater), User preferences and user variables, image data, and encrypted job storage and PIN printing cleared by performing a reset via the "Cold Reset" function. Access to this function can be found under: Home menu Support tools Service (Note: the user needs to enter the Service pin number at this screen and after, the unit will boot into the Service mode screen) Maintenance Restore Factory Defaults Cold Reset
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				<p>A second method to sanitize Image data, encrypted job storage and PIN printing can 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 "Settings" tab at the top, and then from the left navigation bar, select the "Security->Protect Stored Data" menu items. Near the bottom of the page will be the section called "Erase Job Data". Click on the "Erase Now" button.</p> <p>See the Administrator's Guide for more details.</p>
Type (eMMC, Flash, EEPROM, etc): EEPROM (2 devices)	Size: 64kB 32kB	User Modifiable: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Function: Contains system control data, user preferences, and variables.	Process to Sanitize: User preferences and variables are cleared the following way: Unplug AC power cord. While pressing the front of the unit's On/Off button, plug in the AC power cord. Hold the ON/OFF button until the unit boots up into a special mode with the screen blank and only "Home" and "Back" LED buttons lit on the front panel. Press "home, back, home, home", then "menu", then press "next" two times, then press "OK" to initiate a full reset. Please be aware you may want to do a "Restore Factory Defaults" from the Printer Maintenance screen after you do the full reset.
Type (eMMC, Flash, EEPROM, etc): EEPROM (2 devices)	Size: 64kB, and 64kB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Contains backup of critical system control data.	Process to Sanitize: N/A, no user info stored here.
Type (eMMC, Flash, EEPROM, etc): Secure EEPROM	Size: 18kB	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Contains secure internal printer data.	Process to Sanitize: N/A, no user info stored here.
Type (eMMC, Flash, EEPROM, etc): EEPROM (1 device)	Size: 1kB,	User Modifiable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Function: Contains internal printer data.	Process to Sanitize: N/A, no user info stored here.

Media

Does the item contain media storage capability (i.e., removable or non-removable disk drives, tape drives, memory cards, etc.)? **Yes** **No**

Type (Disk, Tape, Memory Card, etc):
Memory Card: eMMC module
Removable: Yes No

Size:
Upgrade option = 128GB

User Modifiable:
 Yes
 No

Function:
System Firmware and firmware upgrade, system control data, user preferences, variables and Encrypted job storage and PIN printing.

Process to Sanitize:

On units with older versions of Firmware (versions LIMOFWPP1N002 through 1N005), User preferences and user variables, image data, and encrypted job storage and PIN printing cleared by performing a reset via “Restore Factory Defaults”. Access to this function can be found under:

- Home menu
- Support tools
- Maintenance
- “Restore Factory Defaults”

On units with newer versions of Firmware (version LIMOFWPP1N006 or greater), User preferences and user variables, image data, and encrypted job storage and PIN printing cleared by performing a reset via the “Cold Reset” function. Access to this function can be found under:

- Home menu
- Support tools
- Service (Note: the user needs to enter the Service pin number at this screen and after, the unit will boot into the Service mode screen)
- Maintenance
- Restore Factory Defaults
- Cold Reset

A second method to sanitize Image data, encrypted job storage and PIN printing can 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 “Settings” tab at the top, and then from the left navigation bar, select the “Security->Protect Stored Data” menu items. Near the bottom of the page will be the section called “Erase Job Data”. Click on the “Erase Now” button.

See the Administrator’s Guide for more details.

Additional Information:

The media storage capability described here is an option where the internal eMMC memory system can be upgraded from the standard 8GB to the optional 128GB. The fact this memory can be upgraded makes it “removable” from the upgrade standpoint, but it is not “removable” in the same fashion as is a USB thumb drive. Job storage data, Pin Printing data and Digital send data are encrypted using an AES 256 encryption algorithm. User private data and Fax data use an AES 128 encryption algorithm. While all user data, job storage data, Pin Printing data, Digital send data, and Fax data are encrypted on the eMMC memory (standard or upgrade sizes), the process of encryption is a software process which provides the encryption capabilities.

USB

Does the item accept USB input and if so, for what purpose (i.e Print Jobs, device firmware updates, scan upload)?

Yes - 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 -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, Wifi, Bluetooth)

Yes

No

Additional Information:

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

Additional Information:

Other Capabilities

Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever?

Yes

No

Additional Information:

Vendor Engineer/SME Representative Information

Name:	Title:	Email:	Business Unit:
Richard Seton	Technical Marketing Engineer	technical.marketing@hp.com	IPG
Paul Bliley	Lead Electrical Engineer	technical.marketing@hp.com	IPG

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