		Letter of	Volatility	
Model Number:	Part Nun		Manufacturer:	
HP PageWide Pro MFP	Y3Z54A		Street Address	5:
772dn			HP, Inc.	
			1115 SE 165 th	Ave, Suite 210
			Vancouver, W.	A 98683
		Volatile	Memory	
<u>Yes</u>		No		e lost when power is removed)?
				type (use additional sheets if required)
Type (SRAM, DRAM,	Size	User Modifiable:	Function:	Process to Sanitize:
etc):	512MB	☐ Yes	Contains	Power Off printer
DDR3 DRAM (3 devices)	+	No	decompressed	
	512MB,		system firmware and	
	and		print data	
	512MB		during printing	
Type (SRAM, DRAM,	Size:	User Modifiable:	Function:	Process to Sanitize:
etc):	SIZE.	☐ Yes	i unction.	Frocess to Samilize.
eic).		□ No		
		Non-Volati	le Memory	
Does the item contain non-	volatile mo			s are retained when power is
removed)? Yes	voidillo III		, whose contone	is the retained when power is
Type (eMMC, Flash,	Size:	User Modifiable:	Function:	Process to Sanitize:
EEPROM, etc):eMMC (1	16GB	Yes	System	On units with older versions of Firmware
device)	eMMC	□ No	Firmware and	(versions LIMOFWPP1N002 through
			firmware	1N005), User preferences and user
			upgrade,	variables, image data, and encrypted job
			system control	storage and PIN printing cleared by
			data, user	performing a reset via "Restore Factory
			preferences,	Defaults". Access to this function can be
			user variables,	found under:
			image data, and encrypted	Home menu
			job storage	Support tools Maintenance
			and PIN	"Restore Factory Defaults"
			printing.	Restore Factory Beladite
				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
	<u> </u>			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.
Type (eMMC, Flash, EEPROM, etc): EEPROM (2 devices)	Size: 64kB 32kB	User Modifiable: Yes 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: ☐ Yes ☐ 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: ☐ Yes ☐ 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: ☐ Yes ☐ No	Function: Contains internal printer data.	Process to Sanitize: N/A, no user info stored here.

		Me	dia	
Does the item contain med	ia storage d			emovable disk drives, tape drives,
	<u>Yes</u>	1 7 ()	□ No	, , ,
		User Modifiable: Yes No		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
Additional Information				details.

Additional Information:

The media storage capability described here is an option where the internal eMMC memory system can be upgraded from the standard 16GB 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.

	U	SB			
Does the item accept USI upload)?	3 input and if so, for what purp	pose (i.e Print Jobs, device firmwa	re updates, scan		
	nt Jobs, Device FW updates, sc	an uploads and 3rd part application loa	iding.		
Can any data other than s	scan upload be sent to the US	SB device?			
	•	p of encrypted system settings. Suppo	orts Hardware		
Integration Pocket (HIP) dev					
. ,					
Additional Information. T	is an advert been bethe a LICD day i	and and OHOD back name. Data an	the LICE beat sente		
		ce port and 2 USB host ports. Data or i-B USB port enables an accessory op			
Integration Pocket (HIP) device can be added. The HIP option conforms to the HIP protocol and enables both HP and 3 rd party hardware/software. The HIP device does not ship with the product and is added by the user as an option.					
	·		•		
	RF/	RFID			
	RFID for receive or transmit o	f any data including remote diagno	ostics. (e.g. Cellular		
Phone, Wifi, Bluetooth)	- No				
☐ Yes	■ <u>No</u>				
Additional Information:					
		sion Capabilities			
		wired access to transmit or rece			
, ,	_	I wired TCP/IP, direct USB, or pa	rallel connections)?		
☐ Yes	■ <u>No</u>				
Additional Information:					
	Other Ca	apabilities			
	any other method of comm	nunications such as a Modem to	transmit or receive		
any data whatsoever? Yes - FAX	□ No				
If yes, what is the purpose					
	5. Г А∧				
Specifications: T.30 FAX protocol standard for FAX communication.					
•					
Within	n T.30, we use V21 protocol as o	control channel			
Within Within		control channel 7.34 as data transfer protocols			
Within Within Speeds = Slo Default setting	n T.30, we use V21 protocol as on T.30, we use V.17, V.29, and Vw (9.6Kbps), Medium (14.4Kbps) g = Medium (14.4Kbps)	control channel 7.34 as data transfer protocols			
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