## **Certificate of Volatility** HP Color LaserJet Enterprise M856x

HP Certificate of Volatility						
Model: HP Color LaserJet Enterprise M856x		Part Number: M856x = T3U	Part Number: M856x = T3U52A		ninden Blvd 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): DDR3 DRAM	Size: 1.5GB	User Modifiable:	Function: Operating system and print/sca		to clear memory: the printer is powered OFF,	
			buffer		emory is erased.	

Non-Volatile Memory						
Does the device contain non-volatile memory (Memory whose contents are retained when power is removed)?						
Yes 🗌 No If Yes please	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:		
EEPROM (IOD)	64KB	🗌 Yes 🖾 No	Stores customer setting data for	There are no steps to clear this		
			backup/restore.	data.		
Type (Flash, EEPROM, etc): SPI Flash	Size: 4MB	User Modifiable: ⊠ Yes □ No	Function: Contains the boot code and	Steps to clear memory: There are no steps to clear this		
			factory product configuration	data		
			data required for the device to			
			function. User modifications are			
			limited to downloading digitally signed HP firmware images.			

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:	Function:	Steps to clear memory:	
eMMC Module	16GB	🖾 Yes 🗌 No	Operating system and user data	Perform pre-boot Secure Erase.	
(Removeable)					

USB
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)?
Section 2 Yes No If Yes please describe below
USB jobs includes print jobs. HP digitally signed firmware upgrades, and third-party application loading. USB ports can be disabled.

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Yes No If Yes please describe below

Diagnostic service logs can be uploaded to a USB device. Print files can be printed via a USB thumb drive.

Additional Information:

This product has both a USB device port and two 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 third-party hardware/software. The HIP device does not ship with the product and is added by the user as an option.

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:			
Additional information			

Tr	ansmission Capabilities				
	access to transmit or receive any data whatsoever (e.g. anything other than				
standard hard-wired TCP/IP, direct USB, or parallel conne					
Purpose: Wireless direct print					
Frequency: 2.4Ghz, 5GHz	Bandwidth:				
	2401 - 2495 MHz; depending on selected channel in 2.4GHz band.				
	5180 - 5825 MHz; depending on selected channel in 5GHz band.				
Modulation:	Effective Radiate Power (ERP):				
Specifications: 802.11 b/g/n					
	r Transmission Capabilities				
Does the device employ any other methods of non-wired standard hard-wired TCP/IP, direct USB, or parallel connections	access to transmit or receive any data whatsoever (e.g. anything other than ections)? 🛛 Yes 🗌 No If Yes please describe below:				
Purpose:					
Device Beaconing					
Secure Print Apps					
Frequency: 2.4Ghz	Bandwidth: 2400-2483.5 MHz; depending on selected channel.				
Modulation:	Effective Radiate Power (ERP):				
Specifications: BTLE4.0 compliant					
	Other Capabilities				
Does the device employ any other method of communica Yes X No If Yes please describe below:	tions such as a Modem to transmit or receive any data whatsoever?				
Purpose: See below WiFi and BLE sections.					
Specifications: See below WiFi and BLE sections.					
Purpose: WiFi					
Frequency: 2.4 GHz, 5 GHz band	Data rate:				
	802.11b: up to 11 Mbps				
	802.11a/g: up to 54 Mbps				
	802.11n: up to 300 Mbps				
Modulation: CCK, DQPSK, DBPSK for DSSS	Effective Radiate Power (ERP):				
64QAM, 16QAM, QPSK, BPSK for OFDM	2.4 GHz 2400 – 2483.5 MHz: 19.8 dBm Max				
	5 GHz				
	5150 – 5350 MHz; 22,5 dBm max				
	5470 – 5725 MHz: 22.2 dBm max				
Specifications: 802.11 a/b/g/n 3.3V +/- 10%					
Purpose: BLE (Bluetooth Low Energy)					
Frequency: 2.4 to 2.4835 GHz band	Data rate:				
· · · · · · · · · · · · · · · · · · ·	BT-LE: up to 2 Mbps				
Modulation: Gaussian frequency shift modulation	Effective Radiate Power (ERP):				
	BLE: 1.2 dBm max				
Specifications: BTLE4.0 compliant 3.3V +/- 10%					

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