Hewlett-Packard Certificate of Volatility

Model:	Part Number:		Address:
HP Color LaserJet Enterprise M652, M653 series HP Color LaserJet Managed E650XX series	**Enterprise** J7Z98A= M652n J7Z99A= M652dn J8A04A= M653dn J8A06A= M653dh	**Managed** L3U55A=E65050dn L3U56A=E65060dn	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.): DDR3 - DRAM	Size: 1GB	User Modifiable: ☐ Yes ☒ No	Function: Store customer setting data for backup/restore.	Steps to clear memory: When the printer is powered off the memory 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 describe the type, size, function, and steps to clear the memory below

Type (Flash, EEPROM, etc.): IOD EEPROM	Size: 32KB	User Modifiable: ☐ Yes ☒ No	Function: Store customer setting data for backup/restore	Steps to clear memory: There are no steps to clear this data.
Type (Flash, EEPROM, etc.): SPI Flash	Size: 4MB	User Modifiable: ☒ Yes ☐ No	Function: Contains the boot code and factory product configuration data required for the device to function. User modifications are limited to downloading digitally signed HP firmware images.	Steps to clear memory: There are no steps to clear this data

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.): HDD	Size: 320GB	User Modifiable: ☒ Yes ☐ No	Function: OS and user data	Steps to clear memory: 1.Erase and Unlock Encrypted Disk – This changes the encryption keys rendering all data unreadable. 2.Secure Storage Erase – Erases temporary files and job data by overwriting information one or three times. 3.Secure Disk Erase – Industry standard ATA Secure Erase. Overwrites all data on the HDD. 4.Secure File Erase – Erases files when jobs finish processing by overwriting them one or three times.

Type (HDD, Tape, etc.): EMMC	Size: 8GB	User Modifiable: ☒ Yes ☐ No	Function: OS and user data	Steps to clear memory: 1. Power cycle the printer to erase the customer data partition cryptographically. 2. Instigate a non-secure fast erase from the EWS.

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

Print jobs, HP digitally signed firmware upgrades, 3rd party application loading. USB ports can be disabled.

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. Print files can be printed via a USB thumb drive.

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 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:

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