HP Certificate of Volatility

Model: HP LaserJet Pro M428 HP LaserJet Pro M429 HP LaserJet Pro M329	Part Number: M329dn=W1A23A M428fdn=W1A29A; M428fdn=W1A32A M429fdn=W1A34A;	Address: HP Inc. 11311 Chinden Blvd. Boise, Idaho 83714, USA

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): DRAM	Size: 512M	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications running on the OS.	Steps to clear memory: When the printer is powered off, the memory is erased
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:
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): Flash	Size: 512M	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐No	Function:	Steps to clear memory:
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

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:

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

Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Can any data other than scan upload be sent to the USB device)?
☒ Yes ☐ No If Yes please describe below

Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

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: Fax
Specifications: V34, V32, V23, V21

Author Information

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Date Prepared: 12,2018		

HP Certificate of Volatility

Model: HP LaserJet Pro M428 HP LaserJet Pro M429 HP LaserJet Pro M329	Part Number: M428dw= W1A28A; M428fdw= W1A30A M429dw= W1A33A; M429fdw= W1A35A; M428dw= W1A31A; M329dw = W1A24A	Address: HP Inc. 11311 Chinden Blvd. Boise, Idaho 83714, USA

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: 512M	User Modifiable: ☐ Yes ⊠ No	Function: Used for temporary storage during the processing of jobs and for applications running on the OS.	Steps to clear memory: When the printer is powered off, the memory is erased
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory: .
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): Flash	Size: 512MB	User Modifiable: ☐ Yes ⊠ No	Function: Device FW	Steps to clear memory: NA
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ⊠ Yes ☐No	Function: User setting parameters for printer	Steps to clear memory: Restore factory defaults from control panel or EWS
Type (Flash, EEPROM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:

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:

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

Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

Can any data other than scan upload be sent to the USB device)?
⊠ Yes ☐ No If Yes please describe below

Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user.

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: BLE (Bluetooth Low Energy)	
Frequency: BLE 2.4 to 2.485 GHz band	Bandwidth: 0.27 Mbit/s
Modulation: Gaussian frequency shift modulation	Effective Radiate Power (ERP): 10mW max
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: Wireless Network Connectivity

Frequency: 2.4GHz and 5GHz Bands	Bandwidth: 20/40 MHz
Modulation: Multiple	Effective Radiate Power (ERP): 802.11n/g: 15+/- 1.5dbm 802.11b: 17+/- 1.5dbm

Specifications: 802.11a/b/g/n

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: Fax

Specifications: V34, V32, V23, V21

Author Information

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Date Prepared: 12,2018