Certificate of Volatility HP Color LaserJet Enterprise M552, M553, M554, M555 HP Color LaserJet Managed E55040 HP Color LaserJet Enterprise MFP M577, MFP M578 HP Color LaserJet Managed MFP E57540

Certificates of Volatility

Certificate of Volatility (M522/M553; 1 of 2)

certificate of volutility	· - /	, <u> </u>		
		HP Certific	ate of Volatility	
Model:	Pa	art Number:		Address:
Color LaserJet Enterp	rise MS	552n=B5L23A; I	V553n=B5L24A	HP Inc.
M552 and M553	M5	553dn=B5L25A;	M553x=B5L26A	11311 Chinden Blvd
				Boise, ID 83714
Volatile Memory				
Does the device contain volatile memory (Memory whose contents are lost X Yes No If Yes please describe the type, size, function, and steps t				
Type (SRAM, DRAM, etc):	Size:	User Modifiable: Function:		Steps to clear memory:
DRAM	1GB	🗌 Yes 🛛 No	Temporary storage for syste operation and print buffer.	m There are no steps to clear this data.
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:

Non-Volatile Memory					
Does the device contain no	Does the device contain non-volatile memory (Memory whose contents are retained when power is removed)?				
🛛 Yes 🗌 No If Yes plea	ase describ	e the type, size, fu	unction, and steps to clear the me	mory below	
Type (Flash, EEPROM, etc): Size: User Modifiable: Function: Steps to clear memory:					
EEPROM	32KB	🗌 Yes 🖾 No	Store customer setting data for	There are no steps to clear this	
			backup/restore	data.	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
SPI	4MB	🗌 Yes 🛛 No	BIOS	There are no steps to clear this	
				data.	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
None		🗌 Yes 🗌 No			

Mass Storage						
	Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?					
🛛 Yes 🗌 No If Yes	Xes 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	4GB	🛛 Yes 🗌 No	JEDI and user data	Firmware update		
Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:		
		🗌 Yes 🗌 No				

USB
Does the item accept USB input and if so, for what purpose (i.e Print Jobs, device firmware updates, scan upload)?
Yes D No If Yes please describe below
Walk-up USB print
Can any data other than scan upload be sent to the USB device)?
Yes No If Yes please describe below

Certificate of Volatility (M522/M553; 2 of 2)

RF/RFID				
Does the item use RF or RFID for receive or transmit of any of	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: Wireless direct print. Frequency: 2.4Ghz Bandwidth: Modulation: Effective Radiate Power (ERP: Specifications: 802.11 b/g

Other Capabilities
Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever? X Yes No If Yes please describe below:
Purpose: NFC; to support tap to print only
Specifications: NFC Tag Type 4 ISO 14443B Compliant

Author Information				
Name: Jose Luis (Boise, ID – LaserJet MFP R&D) 208-333-4489	Title: Security Technical Market Engineer	Email:	Business Unit: IPG	
Date Prepared: 1/22/15				

Certificate of Volatility (M554/M555; 1 of 2)

HP Certificate of Volatility						
Model: HP Color LaserJet		t Number: 54dn=7ZU81A		Address: HP Inc		
Enterprise M554 and M5			//555x= 7ZU79A	11311 Chinden Boulevard Boise, ID 83714		
Volatile Memory						
Does the device contain volatile memory (Memory whose contents are lost when power is removed)?						
Yes D No If Yes please describe the type, size, function, and			unction, and steps to clear the	e memory below		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:		
DRAM	1GB		Temporary storage for system operation and print buffer.	When the printer is powered off the memory is erased.		
		🗌 Yes 🖾 No				
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	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):	Type (Flash, EEPROM, etc): Size: User Modifiable: Function: Steps to clear memory:				
EEPROM	32KB	🗌 Yes 🖾 No	Store customer setting data for backup/restore.	There are no steps to clear this data.	
Type (Flash, EEPROM, etc): SPI	Size: 4MB	User Modifiable:	Function: BIOS	Steps to clear memory: There are no steps to clear this data.	
Type (Flash, EEPROM, etc): None	Size:	User Modifiable:	Function:	Steps to clear memory:	

Mass Storage						
Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?						
Yes D 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	4GB	🛛 Yes 🗌 No	OS and user data	Firmware update		
Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:		
		🗌 Yes 🗌 No				

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

 Walkup USB print, firmware updates
 Can any data other than scan upload be sent to the USB device)?

 ∑ Yes

 No If Yes please describe below

Certificate of Volatility (M554/M555; 2 of 2)

RF/	(RF	ID
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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)? X Yes No If Yes please describe below:				
Purpose: Wireless direct print (M555x only)				
Frequency: 2.4Ghz, 5GHz Bandwidth: 2401 - 2495 MHz; depending on selected channel in				
2.4GHz band.				
5180 - 5825 MHz; depending on selected channel in 5GH				
band.				
Modulation: Effective Radiate Power (ERP):				

Specifications: 802.11 b/g/n

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)? X Yes No If Yes please describe below:				
Purpose:				
M555x only				
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 communications such as a Modem to transmit or receive any data
whatsoever? 🔲 Yes 🖾 No If Yes please describe below:
Purpose:
Specifications:

Author Information					
Name:Title:Email:Business Unit:Jose LuisSecurity TechnicalIPG(Boise, ID – LaserJet MFP R&D)Market EngineerIPG					
Date Prepared: 7/10/20					

Certificate of Volatility (M577; 1 of 2)

ertificate of Volatility (M577; 1 of 2)				
Mar dad			ficate of Volatility	
Model: HP Color LaserJet Enterprise MFP M577	B5L B5L B5L	t Number: .46A=M577dn .47A= M577f .48A= M577z .54A= M577c		Address: HP Inc. 11311 Chinden Blvd Boise, ID 83714
		Vol	atile Memory	l
Yes 🗌 No If Yes plea		e the type, size, f	se contents are lost when pov unction, and steps to clear the	e memory below
Type (SRAM, DRAM, etc): DRAM	Size: 1792MB	User Modifiable:	Function: Operation system print/scan buffer	and Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
		Non-V	/olatile Memory	
		nemory (Memory	whose contents are retained unction, and steps to clear the	
Type (Flash, EEPROM, etc):	Size: 32KB	User Modifiable:	Function: Store customer setting data backup/restore	Steps to clear memory: for
Type (Flash, EEPROM, etc):	Size: 4MB	User Modifiable: ☐ Yes ⊠No	Function: BIOS	Steps to clear memory:
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
		M	ass Storage	
Does the device contain ma ⊠ Yes □ No If Yes ple	ass storage ase describ	memory (Hard D		e memory below
Type (HDD, Tape, etc): HDD	Size: 320GB	User Modifiable: Yes No	Function: OS and user data	Steps to clear memory: firmware update
Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Does the item accept USB	ase describ an upload l	e below be sent to the US		mware updates, scan upload)?
				agnostics. (e.g. Cellular phone,
Frequency:			Bandwidth:	
Modulation:			Effective Radiate Pow	er (ERP):

Modulation: Specifications:

Certificate of Volatility (M577; 2 of 2)

Other Transmission Capabilities			
Does the device employ any other methods of non-wired acc			
other than standard hard wired TCP/IP, direct USB, or paralle	other than standard hard wired TCP/IP, direct USB, or parallel connections)? 🛛 Yes 🗌 No If Yes please describe below:		
Purpose: WiFi Direct Print			
Frequency: 2.4 GHz Bandwidth:			
Modulation: Effective Radiate Power (ERP):			
Specifications: 802.11 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: NFC Purpose: To support Tap-to-Print only Specifications: NFC Tag Type 4 ISO14443B Compliant

Author Information					
Name: Jose Luis (Boise, ID – LaserJet MFP R&D) 208-333-4489	Title: Security Technical Market Engineer	Email:	Business Unit: IPG		
Date Prepared: 1/22/15					

Certificate of Volatility (M578; 1 of 2)

HP Certificate of Volatility				
Model: HP Color LaserJet Enterprise MFP M578	7ZL 7ZL 7ZL	Part Number: 7ZU85A=M578dn 7ZU86A=M578f 7ZU87A=M578c 7ZU88A=M578z		Address: HP Inc 11311 Chinden Boulevard Boise, ID 83714
		Vola	atile Memory	
Does the device contain volatile memory (Memory whose contents are lost when power is removed)?				
Type (SRAM, DRAM, etc): DRAM	Size: 1792MB	User Modifiable:	Function: Temporary storage for operat system and print/scan buffer.	
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:

Non-Volatile Memory					
Does the device contain no	on-volatile n	nemory (Memory)	whose contents are retained when	n power is removed)?	
Yes 🗌 No If Yes plea	ase describ	e the type, size, fu	unction, and steps to clear the me	mory below	
Type (Flash, EEPROM, etc):	Type (Flash, EEPROM, etc): Size: User Modifiable: Function: Steps to clear memory:				
EEPROM	32KB	🗌 Yes 🖾 No	Store customer setting data for	There are no steps to clear this	
			backup/restore.	data.	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
SPI 4MB BIOS There are no steps to clear this					
	data.				
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
None		🗌 Yes 🗌 No			

Mass Storage					
	Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?				
🛛 Yes 🗌 No If Yes ple	Yes D 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:					
HDD 500GB Yes No OS and user data Firmware update					
Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		🗌 Yes 🗌 No			

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
Walkup USB print, scan to USB, firmware updates
Can any data other than scan upload be sent to the USB device)?
Yes X No If Yes please describe below

	RF/	RFID			
Does the item use RF or RFID	for receive or transmit of any	data including remote diagnosti	cs. (e.g. Cellular phone,		
Bluetooth) 🗌 Yes 🖾 No If	Yes please describe below				
Purpose:					
Frequency:		Bandwidth:			
Modulation:		Effective Radiate Power (ER	P):		
Specifications:					
	Other Transmis	sion Capabilities			
Does the device employ any ot	her methods of non-wired ac	cess to transmit or receive any o	data whatsoever (e.g. anvthing		
other than standard hard wired	TCP/IP, direct USB, or parall	el connections)? 🖾 Yes 🗌 Ńo	If Yes please describe below:		
Purpose: Wireless direct print	(M578z only)	•			
Frequency: 2.4Ghz, 5GHz	• • • •	Bandwidth:			
		2401 - 2495 MHz; depending	on selected channel in		
		2.4GHz band.			
		, 1 0	on selected channel in 5GHz		
		band.			
Modulation:		Effective Radiate Power (ER	P):		
Specifications: 802.11 b/g/n					
		sion Capabilities			
		cess to transmit or receive any o			
	TCP/IP, direct USB, or parall	el connections)? 🔀 Yes 🗌 No	If Yes please describe below:		
Purpose:					
M578z only					
Device Beaconing					
Secure Print Apps		Devide date			
Frequency: 2.4Ghz		Bandwidth:	a on colocted channel		
Madulation		2400-2483.5 MHz; depending Effective Radiate Power (ER			
Modulation: Specifications: BTLE4.0 compli	iont	Ellective Radiate Power (ER	-).		
Specifications. BTLE4.0 compli					
		apabilities	· · · ·		
whatsoever? Yes X No		ns such as a Modem to transmit / [.]	or receive any data		
Purpose:		•			
Specifications:					
•	Purpo	se: WiFi			
Frequency: 2.4 GHz, 5 GHz ba		Data rate:			
		802.11b: up to 11 Mbps			
		802.11a/g: up to 54 Mbps			
		802.11n: up to 300 Mbps			
Modulation:		Effective Radiate Power (EIR	P):		
CCK, DQPSK, DBPSK for DSS		2.4 GHz			
64QAM, 16QAM, QPSK, BPSk	(for OFDM	2400 – 2483.5 MHz: 19.8 dBi	m Max		
		5 GHz			
		5150 – 5350 MHz: 22.5 dBm max			
Specifications: 900 11 - 1/2/2		5470 – 5725 MHz: 22.2 dBm	тах		
Specifications: 802.11 a/b/g/n 3.3V +/- 10%					
Purpose: BLE (Bluetooth Low Energy)					
BT-LE: up to 2 Mbps Modulation: Gaussian frequency shift modulation Effective Radiate Power (EIRP): BLE: 1.2 dBm max					
Specifications: BTLE4.0 compliant					
3.3V +/- 10%					
Author Information					
Name: Jose Luis	Title:	Email:	Business Unit: IPG		
(Boise, ID – LaserJet MFP R&D)	Security Technical		IFG		
208-333-4489	Market Engineer				
	•	•	Date Prepared: 7/10/20		

Certificate of Volatility (E55040dn; 1 of 2)

HP Certificate of Volatility							
Model:	Par	t Number:		Address: HP Inc.			
HP Color LaserJet Manage E55040dn	d E55	040dn =3GX99A		11311 Chinden Blvd Boise, ID 83714			
		Vola	atile Memory				
			e contents are lost when pov unction, and steps to clear the				
Type (SRAM, DRAM, etc): DRAM	Size: 1 GB	User Modifiable: ☐ Yes ⊠ No	Function: Used for temporary storag during the process of jobs and for applications that a running on the OS.	Steps to clear memory: Be When the printer is powered off the memory is erased.			

Non-Volatile Memory						
n-volatile n	nemory (Memory)	whose contents are retained when p	oower is removed)?			
ase describ	e the type, size, fu	unction, and steps to clear the mem	ory below			
Size:	Size: User Modifiable: Function: Steps to clear memory:					
32KB	🗌 Yes 🖾 No	Store customer setting data	There are no steps to clear			
		for backup/restore	this data.			
Size:	User Modifiable:	Function:	Steps to clear memory:			
SPI $4MB$ \Box Yes \boxtimes No BIOS There are no steps to c						
			this data			
	ase describ Size: 32KB Size:	n-volatile memory (Memory) ase describe the type, size, fi Size: User Modifiable: 32KB ☐ Yes ☑ No Size: User Modifiable:	n-volatile memory (Memory whose contents are retained when p ase describe the type, size, function, and steps to clear the mem Size: User Modifiable: Function: 32KB Yes No Store customer setting data for backup/restore Size: User Modifiable: Function:			

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 4GB ☑ Yes □ No Stores data, OS, applications, digitally signed firmware images, persistent data, and temporary data for processing system functions Stores sign system 1. Power cycle the printer to erase from the EWS.							

USB

 USD

 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

 Walk up USB Print

 Can any data other than scan upload be sent to the USB device)?

 □ Yes □ No If Yes please describe below

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:					

Certificate of Volatility (E55040dn; 2 of 2)

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 wire	d TCP/IP, direct USB, or paralle	el connections)? 🗌 Yes 🖾 No I	If Yes please describe below:				
Purpose:							
Frequency:		Bandwidth:					
Modulation:		Effective Radiate Power (ERF	^o):				
Specifications							
		apabilities					
		ns such as a Modem to transmit	or receive any data				
whatsoever? Yes No If Yes please describe below:							
Purpose:							
Specifications:	Specifications:						
Author Information							
Name	Title	Email	Business Unit				
Robert Mejia	SystenEngineer	Technical.Marketing@hp.com	IPG				

Date Prepared: 12/10/2019

Certificate of Volatility (E55040dw; 1 of 2)

HP Certificate of Volatility							
Model: HP Color LaserJet Managed E55040dw		Part Number: E55040dw =3GX98A		Address: HP Inc 11311 Chinden Blvd Boise, ID 83714			
Yes No If Yes pleas Type (SRAM, DRAM, etc): S DRAM		ory (Memory whos	atile Memory e contents are lost when power inction, and steps to clear the Function: Used for temporary storag during the process of jobs, and for applications that an running on the OS.	e Steps to clear memory: When the printer is powered off the memory is erased.			

Non-Volatile Memory						
n-volatile n	nemory (Memory)	whose contents are retained when p	oower is removed)?			
ase describ	e the type, size, fu	unction, and steps to clear the mem	ory below			
Size:	Size: User Modifiable: Function: Steps to clear memory:					
32KB	🗌 Yes 🖾 No	Store customer setting data	There are no steps to clear			
		for backup/restore	this data.			
Size:	User Modifiable:	Function:	Steps to clear memory:			
SPI $4MB$ \Box Yes \boxtimes No BIOS There are no steps to c						
			this data			
	ase describ Size: 32KB Size:	n-volatile memory (Memory) ase describe the type, size, fi Size: User Modifiable: 32KB ☐ Yes ☑ No Size: User Modifiable:	n-volatile memory (Memory whose contents are retained when p ase describe the type, size, function, and steps to clear the mem Size: User Modifiable: Function: 32KB Yes No Store customer setting data for backup/restore Size: User Modifiable: Function:			

	Mass Storage Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?						
Yes 🗌 No If Yes plea	ase describ	be the type, size, f	unction, and steps to clear the	memory below			
Type (HDD, Tape, etc):	Size: 4GB	User Modifiable:	Function: Stores data, OS, applications, digitally signed firmware images, persistent data, and temporary data for processing system functions	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)?
Set No If Yes please describe below
Walk up USB Print

 Walk up USB Print

 Can any data other than scan upload be sent to the USB device)?

 Yes
 No If Yes please describe below

RF/F	RFID
Does the item use RF or RFID for receive or transmit of any of	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:	

Certificate of Volatility (E55040dw; 2 of 2)

Other Transmission Capabilities						
Does the device employ any of other than standard hard wire	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)? X Yes X No If Yes please describe below:					
Purpose: Wireless direct pri		· · · · · · · · · · · · · · · · · · ·				
Frequency: 2.4Ghz		Bandwidth:				
Modulation:		Effective Radiate Power (ERP	?):			
Specifications 802.11 b/g/n						
	Other Ca	pabilities				
	other method of communication If Yes please describe below:		or receive any data			
Purpose:						
Specifications:						
Author Information Name Title Email Business Unit						
Casey Campbell	Title Email Business Unit Technical Marketing Engineer Technical.Marketing@hp.com IPG					
Robert Mejia						
Date Prepared: 04/10/2018						

Certificate of Volatility (E57540c; 1 of 2)

HP Certificate of Volatility							
Model:	Par	t Number:		Address: HP Inc.			
HP Color LaserJet Manage MFP E57540c	d E57:	540c = 3GY26A		11311 Chinden Blvd Boise, ID 83714			
		Vola	atile Memory				
			e contents are lost when pov				
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	unction, and steps to clear the Function:				
DRAM	1792MB	Yes No	Used for temporary stora during the processing of jobs and for applications running on the OS.	ge Steps to clear memory: When the printer is powered OFF, the memory is erased.			

	Non-Volatile Memory						
Does the device contain no	n-volatile n	nemory (Memory	whose contents are retained when p	ower is removed)?			
Yes 🗌 No If Yes plea	ase describ	e the type, size, fu	unction, and steps to clear the mem	ory below			
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:			
IOD EEPROM	32 KB	🗌 Yes 🖾 No	Store customer setting data	There are no steps to clear			
			for backup/restore	this data.			
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:			
SPI	4MB	🗆 Yes 🖾 No	BIOS	There are no steps to clear			
				this data.			

USB

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

Certificate of Volatility (E57540c; 2 of 2)

RF/RFID

Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone,			
Bluetooth) Ves X 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:

Author Information					
Name Title Email Business Unit					
Casey Campbell	Technical Marketing Engineer	Technical Marketing Engineer Technical.Marketing@hp.com			
Robert Mejia	System Engineer	Technical.Marketing@hp.com	IPG		
Date Prepared: 04/10/2018					

Certificate of Volatility (E57540dn; 1 of 2)

HP Certificate of Volatility					
Model:	Par	t Number:		Address: HP Inc.	
HP Color LaserJet Manage MFP E57540dn	d E57	540dn = 3GY25A		11311 Chinden Blvd Boise, ID 83714	
		Vola	atile Memory		
	Does the device contain volatile memory (Memory whose contents are lost when power is removed)?				
Type (SRAM, DRAM, etc): DRAM	Size: 1792MB	User Modifiable: ☐ Yes ⊠ No	Function: Used for temporary storag during the processing of jobs and for applications running on the OS.	ge Steps to clear memory: When the printer is powered OFF, the memory is erased.	

New York Alle Manageme				
			olatile Memory	
			whose contents are retained when p	
Yes 🗌 No If Yes plea	ase describ	e the type, size, fu	unction, and steps to clear the mem	ory below
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
IOD EEPROM	32 KB	🗌 Yes 🛛 No	Store customer setting data	There are no steps to clear
			for backup/restore	this data.
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
SPI	4MB	🗌 Yes 🖾 No	BIOS	There are no steps to clear
				this data.

N. 0:				
Mass Storage				
Does the <u>de</u> vice contain mass storage memory (Hard Disk Drive, Tape Backup)?				
			unction, and steps to clear the	
Type (HDD, Tape, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
UDD	22000	🛛 Yes 🗌 No	Stores customer data,	1.Erase and Unlock Encrypted
HDD	320GB		OS, applications,	Disk – This changes the
			digitally signed firmware	encryption keys rendering all
			images, persistent data,	data unreadable.
			and temporary data used	2.Secure Storage Erase –
			for processing and	Erases temporary files and job
			system functions	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.
USB				

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 can be disabled.

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

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RF/	RF	ID
1 \(1 /	1.11	

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)? \Box Yes \boxtimes No If Yes please describe below:		
Purpose:		
Frequency:	Bandwidth:	
Modulation:	Effective Radiate Power (ERP):	
Specifications		

Other Capabilities

 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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