HP LaserJet Pro 4001, 4002, 4003, 4004, 4101, 4102, 4103, 4104 - Certificate of Volatility

Review the certificates of volatility for the printer.

Certificate of Volatility

Review the certificates of volatility for the printers.

Figure 1 Certificate of Volatility SFP wireless (1 of 2)

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Hewlett-Packard Certificate of Volatility					
Model:	P	art Number:		Address:	
				Hewlett Packard Company	
HP LaserJet Pro 4001	4	001dwe= 2Z601E	E; 4001dw= 2Z601F;	11311 Chinden Blvd	
HP LaserJet Pro 4002	4	002dwe= 2Z606E	E; 4002dw= 2Z606F;	Boise, ID 83714	
HP LaserJet Pro 4003	4	003dw= 2Z610A;	4004dw= 2Z615A		
HP LaserJet Pro 4004					
			atile Memory		
			e contents are lost when pow		
			inction, and steps to clear the		
Type (SRAM, DRAM, etc):	Size: 256M	User Modifiable:	Function: Used for temporary storage	Steps to clear memory: When the printer is powered	
	200101		during the processing of jobs		
			and for applications running		
			the OS.		
		☐ Yes ⊠ No			
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		□Yes□No			
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		Yes No			
Non Volatila Managari					
Non-Volatile Memory (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):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Flash	256MB	☐ Yes ⊠ No	Device FW	NA	
Type (Flash, EEPROM, etc):	Cizo	User Modifiable:	Function:	Steps to clear memory:	
EEPROM	Size: 32KB	Oser Wodinable.	Function.	Restore factory defaults from	
	02.12			control panel or EWS	
			User setting parameters for prin		
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Yes No					
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:	
		☐ Yes ☐ No			

Figure 2 Certificate of Volatility SFP wireless (2 of 2)

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 Modulation: Gaussian frequency shift modulation 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 802.11n/g: 15+/- 1.5dbm Specifications: 802.11a/b/g/n					
Yes	USB	3			
Can any data other than scan upload be sent to the USB device)? Yes		. Print Jobs, device firmware ι	updates, scan upload)?		
Yes	Rear USB host when configured will accept stored jobs, encrypte	ted files stored and deleted by	y user.		
Rear USB host when configured will accept stored jobs, encrypted files stored and deleted by user. RF/RFID		9)?			
RF/RFID Does the item use RF or RFID for receive or transmit of any data including remote diagnostics. (e.g. Cellular phone, Bluetooth)					
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:	Rear USB host when configured will accept stored jobs, encrypte	ted files stored and deleted by	y user.		
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:	DE/DEI	TD.			
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:		<u></u>	/ 0 !! !		
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:		a including remote diagnostic	cs. (e.g. Cellular phone,		
Frequency: BLE 2.4 to 2.485 GHz band Modulation: Gaussian frequency shift modulation 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 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:					
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 802.11n/g: 15+/- 1.5dbm 802.11n/g: 15+/- 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:		Sandwidth: 0.27 Mhit/s			
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 Modulation: Multiple Effective Radiate Power (ERP): 802.11n/g: 15+/- 1.5dbm 802.11b: 17+/- 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:): 10mW max		
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 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:	. ,	(=	,, , , , , , , , , , , , , , , , , , , ,		
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 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:					
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 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:	Other Transmission Capabilities				
Purpose: Wireless Network Connectivity Frequency: 2.4GHz and 5GHz Bands 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:	Does the device employ any other methods of non-wired access to transmit or receive any data whatsoever (e.g. anything				
Frequency: 2.4GHz and 5GHz Bands Bandwidth: 20/40 MHz 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:		connections)? 🛛 Yes 🗌 No I	f Yes please describe below:		
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:					
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:					
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:):		
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:					
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:					
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. 602.11a/b/g/ff				
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:	Other Canal	ahilities			
whatsoever? \(\subseteq \text{ Yes } \overline{\text{No If Yes please describe below:}} \) Purpose:			or receive any data		
Purpose:					
·					
	·				
Author Information	Author Inform	rmation			
Name Title Email Business Unit		Email			
Hewlett Packard Company Technical Marketing LES Boise CA			LES Boise CA		
Engineer Hewlett Packard Company Electrical Engineer LES Boise R&D			LES Boico D&D		
Date Prepared: 2,2022					

Figure 3 Certificate of Volatility SFP non wireless (1 of 2)

Hewlett-Packard Certificate of Volatility					
Model: HP LaserJet Pro 4001 HP LaserJet Pro 4002 HP LaserJet Pro 4003 HP LaserJet Pro 4004	4001 4001 4002 4002 4003	Part Number: 4001ne= 2Z599E; 4001n= 2Z599F; 4001dne= 2Z600E; 4001dn= 2Z600F; 4002dne= 2Z605E; 4002dn= 2Z605F; 4002d= 2Z607F; 4003dn= 2Z609A; 4003n= 2Z611A; 4004d= 2Z613A; 4004dn= 2Z614A		Address: Hewlett Packard Company 11311 Chinden Blvd Boise, ID 83714	
		Vol	atile Memory		
		ory (Memory whos	se contents are lost when power i		
	ase describ	e the type, size, fu	unction, and steps to clear the me	emory below	
Type (SRAM, DRAM, etc): DRAM	Size: 256M	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:	Function:	Steps to clear memory:	
		☐ Yes ☐ No			
Type (SRAM, DRAM, etc):	DRAM, etc): Size: User Modifiable: Function: ☐ 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 \sum 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:	
Flash	256MB	☐ Yes ⊠ No	Device FW	NA	
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable:	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:	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:	

Figure 4 Certificate of Volatility SFP non wireless (2 of 2)

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 configur	ed will accept stored jobs, enci	rypted files stored and deleted b	by user.	
Can any data other than scan ☐ Yes ☐ No If Yes please	upload be sent to the USB dev describe below	vice)?		
Rear USB host when configur	red will accept stored jobs, enci	rypted files stored and deleted b	by user.	
	RF/	RFID		
Bluetooth) ☐ Yes ☒ No It		data including remote diagnosti	cs. (e.g. Cellular phone,	
Purpose:				
Frequency:		Bandwidth:		
Modulation:		Effective Radiate Power (ERI	P):	
Specifications:				
		sion 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: Fifteetive Padigte Power (FPP):				
Modulation: Effective Radiate Power (ERP): Specifications:				
Openications.				
	Other Co	an abilitie a		
December decision and the control of		apabilities		
	o If Yes please describe below	is such as a Modem to transmit	or receive any data	
Purpose:	o il res please describe below	•		
Specifications:				
ореспісацогіз.				
	Author Ir	nformation		
Name Title Email Business Unit				
Hewlett Packard Company	Technical Marketing		LES Boise CA	
	Engineer			
Hewlett Packard Company	Electrical Engineer		LES Boise R&D	
	Date Prepa	ared: 2,2022		

Figure 5 Certificate of Volatility wireless / fax MFP (1 of 2)

Hewlett-Packard Certificate of Volatility					
Model:	Pa	Part Number:		Address: Hewlett Packard Company	
HP LaserJet Pro 4101	41	01fdwe= 2Z619	E; 4101fdw= 2Z619F;	11311 Chinden Blvd	
HP LaserJet Pro 4102	41	02fdwe= 2Z624	E; 4102fdw= 2Z624F;	Boise, ID 83714	
HP LaserJet Pro 4103	41	03fdw= 2Z629A	; 4104fdw= 2Z634A		
HP LaserJet Pro 4104					
			atile Memory		
			se contents are lost when pow		
Type (SRAM, DRAM, etc):	ase descri Size:	User Modifiable:	unction, and steps to clear the Function:	Steps to clear memory:	
Type (Ordani, Braani, etc).	512M	OSCI WOGINADIC.	Used for temporary storage	When the printer is powered	
			during the processing of jobs		
			and for applications running	on	
		☐ Yes ⊠ No	the OS.		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		☐ Yes ☐ No			
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):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Flash	512MB	☐ Yes ⊠ No	Device FW	NA	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
EEPROM	32KB		User setting parameters for prin	ter Restore factory defaults from control panel or EWS	
		Yes □No		Some pane of 200	
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:	Function:	Steps to clear memory:	
		☐ Yes ☐ No			

Figure 6 Certificate of Volatility wireless / fax MFP (2 of 2)

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.			
DE/DEID			

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				
Name Title Email Business Unit				
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA	
Hewlett Packard Company Electrical Engineer LES Boise R&D			LES Boise R&D	
Date Prepared: 2,2022				

Figure 7 Certificate of Volatility non wireless / fax MFP (1 of 2)

Hewlett-Packard Certificate of Volatility					
Model:	Pa	rt Number:		Address:	
				Hewlett Packard Company	
HP LaserJet Pro 4101	410	01fdne= 2Z618I	E; 4101fdn= 2Z618F;	11311 Chinden Blvd	
HP LaserJet Pro 4102			; 4103fdn= 2Z628A;	Boise, ID 83714	
HP LaserJet Pro 4103		04fdn= 2Z633A		,	
HP LaserJet Pro 4104		0 11d11 2200071	, 22000/1		
The Education To 4104					
		Vol	atile Memory		
Does the device contain vo	latile mem		se contents are lost when pow	er is removed)?	
			unction, and steps to clear the		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
	512M		Used for temporary storage	When the printer is powered	
			during the processing of jobs		
			and for applications running	on	
		☐ Yes ⊠ No	the OS.		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Type (Ordan, Broam, etc).	OIZC.	Osci Wodillabic.	i dilodon.	oteps to dear memory.	
		☐ Yes ☐ No			
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
☐ Yes ☐ No					
Non Volatila Mamary					
Non-Volatile Memory (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):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Flash	512MB	☐ Yes ☒ No	Device FW	NA	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
EEPROM	32KB		User setting parameters for prin	ter Restore factory defaults from control panel or EWS	
		⊠ Yes □No		Control paner of Ewo	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		☐ Yes ☐ No			
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:	

Figure 8 Certificate of Volatility non wireless / fax MFP (2 of 2)

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, encr			
Can any data other than scan upload be sent to the USB dev	rice)?		
Yes No If Yes please describe below			
Rear USB host when configured will accept stored jobs, encr	ypted files stored and deleted by user.		
/.	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)? \square Yes \boxtimes No If Yes please describe below:			
Purpose:			
Frequency:	Bandwidth:		
Modulation:	Effective Radiate Power (ERP):		
Specifications:			
Other Ca	apabilities		
Does the device employ any other method of communication	s 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					
Name Title Email Business Unit					
Hewlett Packard Company	Technical Marketing		LES Boise CA		
	Engineer				
Hewlett Packard Company	Electrical Engineer		LES Boise R&D		
Date Prepared: 2,2022					

Figure 9 Certificate of Volatility wireless / non fax MFP (1 of 2)

·					
Hewlett-Packard Certificate of Volatility					
Model:	P			Address:	
				Hewlett Packard Company	
HP LaserJet Pro 4101		4101dwe= 2Z620E; 4101dw= 2Z620F;		11311 Chinden Blvd	
HP LaserJet Pro 4102		4102dwe= 2Z622E; 4102dw= 2Z622F;		Boise, ID 83714	
HP LaserJet Pro 4103		103dw= 2Z627A,	2Z635A;		
HP LaserJet Pro 4104	4	104dw= 2Z632A			
D # 1 :	1 (1)		atile Memory		
			se contents are lost when powe unction, and steps to clear the		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
, , , , , , , , , , , , , , , , , , , ,	512M		Used for temporary storage	When the printer is powered	
			during the processing of jobs		
			and for applications running of the OS.	on	
		☐ Yes ⊠ No	tile 03.		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		☐ Yes ☐ No			
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		☐ Yes ☐ No		•	
5 4 1 1			olatile 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):	Size:	User Modifiable:		Steps to clear memory:	
Flash	512MB	☐ Yes 🛛 No	Device FW	NA	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
EEPROM	32KB	Oser Wodinable.	User setting parameters for print		
			3 /	control panel or EWS	
Torre (Floring FEDDOM 141)	Size:		Function:	Ota and the all and an annual and	
Type (Flash, EEPROM, etc):	Size:	Yes No	Function:	Steps to clear memory:	
1 103 1140					
Mass Storage					
Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?					
		cribe the type, size, f	unction, and steps to clear the		
Type (HDD, Tape, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:	
L			1		

Figure 10 Certificate of Volatility wireless / non fax MFP (2 of 2)

USB
Does the item accept USB input and if so, for what purpose (i.e. Print Jobs, device firmware updates, scan upload)?
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.
DE/DEID

DE IDEID			
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:
Specifications:

Author Information					
Name Title Email Business Unit					
Hewlett Packard Company	Technical Marketing		LES Boise CA		
	Engineer				
Hewlett Packard Company	Electrical Engineer		LES Boise R&D		
Date Prepared: 2,2022					