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)

•	-				
	Hewlett-Packard Certificate of Volatility				
Model:	Pai	Part Number:		Address: Hewlett Packard Company	
HP LaserJet Pro 4001	400			11311 Chinden Blvd	
HP LaserJet Pro 4002			E; 4002dw= 2Z606F;	Boise, ID 83714	
HP LaserJet Pro 4003			4004dw= 2Z615A	,	
HP LaserJet Pro 4004		,			
			atile Memory		
			se contents are lost when power		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	unction, and steps to clear the me	Steps to clear memory:	
Type (SRAW, DRAW, etc).	256M	Oser Modifiable.	Used for temporary storage	When the printer is powered	
			during the processing of jobs	off, the memory is erased	
			and for applications running on		
			the OS.		
Torre (ODAM DDAM sta)	0:	☐ Yes ☒ No User Modifiable:	Function:	Otana ta ala an manana	
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)?					
			unction, and steps to clear the me		
Type (Flash, EEPROM, etc):	Size: 256MB	User Modifiable:	Function:	Steps to clear memory:	
Flash	ZOOIVIB	☐ Yes ⊠ No	Device FW	NA	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
EEPROM	32KB			Restore factory defaults from control panel or EWS	
		⊠ Yes □No	User setting parameters for printer		
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		☐ Yes ☐ No		1	
Mass Storage Does the device contain mass storage memory (Hard Disk Drive, Tape Backup)?					
			isk Drive, Tape Backup)? function, and steps to clear the m	emory 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)

	U:	SB		
Yes No If Yes please				
Rear USB host when configur	ed will accept stored jobs, encr	ypted files stored and deleted b	y 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	ed will accept stored jobs, encr	ypted files stored and deleted b	y user.	
	RF/F	RFID		
Does the item use RF or RFID Bluetooth) ☐ Yes ☐ No If	O for receive or transmit of any of Yes please describe below	data including remote diagnosti	cs. (e.g. Cellular phone,	
Purpose: BLE (Bluetooth Low	Energy)			
Frequency: BLE 2.4 to 2.485		Bandwidth: 0.27 Mbit/s		
Modulation: Gaussian frequer	ncy shift modulation	Effective Radiate Power (ERF	P): 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 C				
Frequency: 2.4GHz and 5GHz Bands Bandwidth: 20/40 MHz				
Modulation: Multiple Effective Radiate Power (ERP):			P):	
'		802.11n/g: 15+/- 1.5dbm		
		802.11b: 17+/- 1.5dbm		
Specifications: 802.11a/b/g/n				
		apabilities		
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 In	formation		
Name	Title	Email	Business Unit	
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA	
Hewlett Packard Company	Electrical Engineer		LES Boise R&D	
	Date Prepa	red: 2.2022		

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

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	Н	ewlett-Packar	d Certificate of Volatility	/	
Model:	Part I	Part Number:		Address: Hewlett Packard Company	
HP LaserJet Pro 4001	4001	ne= 27599F· 4	001n= 2Z599F;	11311 Chinden Blvd	
HP LaserJet Pro 4002		,	4001dn= 2Z600F;	Boise, ID 83714	
HP LaserJet Pro 4003		,	4002dn= 2Z605F;	·	
HP LaserJet Pro 4004		d= 2Z607F:	1002411 220001 ,		
		,	003n= 2Z611A;		
			004dn= 2Z614A		
	1001	a 22010/1, 10	70 1011 2201171		
	l .		atile Memory		
			se contents are lost when power		
Type (SRAM, DRAM, etc):		e the type, size, fi User Modifiable:	unction, and steps to clear the Function:	Steps to clear memory:	
DRAM	Size: 256M	Oser Modiliable:	Used for temporary storage	When the printer is powered	
Dittili	200		during the processing of jobs		
			and for applications running	on	
			the OS.		
Type (SRAM, DRAM, etc):	Size:	☐ Yes ☒ No User Modifiable:	Function:	Steps to clear memory:	
Type (SINAIVI, DINAIVI, etc).	SIZE.	Oser Modiliable.	runction.	Steps to clear memory.	
		☐ Yes ☐ No			
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)?					
			unction, and steps to clear the		
Type (Flash, EEPROM, etc): Flash	Size: 256MB	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: 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	
		Mys - DNs		control panel or EWS	
Type (Flash, EEPROM, etc):	Size:		Function:	Steps to clear memory:	
Type (Flash, ELF TOW, etc).	OIZC.	☐ Yes ☐ No	T different.	oteps 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	red will accept stored jobs, encr	ypted files stored and deleted b	y user.		
Can any data other than scan ☐ Yes ☐ No If Yes please	upload be sent to the USB dev describe below	ice)?			
Rear USB host when configur	red will accept stored jobs, encr	ypted files stored and deleted b	y user.		
	RF/F	RFID			
Bluetooth) ☐ Yes ☒ No I	O for receive or transmit of any of Yes please describe below	data including remote diagnosti	cs. (e.g. Cellular phone,		
Purpose:		5			
Frequency:		Bandwidth:			
Modulation:		Effective Radiate Power (ERF	?):		
Specifications:					
	Other Transmiss	sion Capabilities			
	other methods of non-wired accord TCP/IP, direct USB, or paralle				
Purpose:		, <u> </u>			
Frequency:					
Modulation: Effective Radiate Power (ERP):			P):		
Specifications:	Specifications:				
	Other Ca	pabilities			
	other method of communications of If Yes please describe below:		or receive any data		
Purpose:					
Specifications:					
	Author In	formation			
Name	Title	Email	Business Unit		
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA		
Hewlett Packard Company	Electrical Engineer		LES Boise R&D		
	Data Propa	rod: 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:	be the type, size, fi User Modifiable:	unction, and steps to clear the Function:	Steps to clear memory:	
Type (Stawi, Diawi, etc).	512H	Oser Modifiable.	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:	
7,6- (,,					
T (000M 000M ()	0:	Yes No			
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):	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 parier of EVV3	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		☐ Yes ☐ No			
Maga Staraga					
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.		
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		

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	
Date Prepared: 2,2022				

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

		Hewlett-Packar	d Certificate of Volatility	1	
Model:		Part Number:		Address: Hewlett Packard Company	
HP LaserJet Pro 4101 HP LaserJet Pro 4102			E; 4101fdn= 2Z618F;	11311 Chinden Blvd	
HP LaserJet Pro 4103 HP LaserJet Pro 4104		4104fdn= 2Z633A	; 4103fdn= 2Z628A; a, 2Z636A	Boise, ID 83714	
		Vol	atile Memory		
		scribe the type, size, f	se contents are lost when pow unction, and steps to clear the		
Type (SRAM, DRAM, etc):	Size: 512M	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications running the OS.		
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Type (SRAM, DRAM, etc):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Steps to clear memory:	
Non Volatila Mamanu					
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: 512MI	User Modifiable:		Steps to clear memory: NA	
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable: ☑ Yes ☐No	Function: User setting parameters for prin	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:	
Masa Stavaga					
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:	

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

Us	SB		
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	ypted files stored and deleted by user.		
Can any data other than scan upload be sent to the USB dev	rice)?		
Rear USB host when configured will accept stored jobs, encr	ypted files stored and deleted by user.		
RF/F	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:			
Oth T			
	sion Capabilities		
	ess to transmit or receive any data whatsoever (e.g. anything el connections)? Yes No If Yes please describe below:		
Purpose:			
Frequency:	Bandwidth:		
Modulation:	Effective Radiate Power (ERP):		
Specifications:			
	apabilities		
Does the device employ any other method of communication			
whatsoever? X 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: HP LaserJet Pro 4101		t Number:	5: 4101dw- 27620E:	Address: Hewlett Packard Company 11311 Chinden Blvd
		4101dwe= 2Z620E; 4101dw= 2Z620F;		
HP LaserJet Pro 4102		4102dwe= 2Z622E; 4102dw= 2Z622F;		Boise, ID 83714
HP LaserJet Pro 4103		4103dw= 2Z627A, 2Z635A;		
HP LaserJet Pro 4104	410)4dw= 2Z632A		
	<u>.</u>		atile Memory	
			se contents are lost when pow unction, and steps to clear the	
Type (SRAM, DRAM, etc):	Size: 512M	User Modifiable: ☐ Yes ☒ No	Function: Used for temporary storage during the processing of jobs and for applications running the OS.	
Type (SRAM, DRAM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:
		☐ Yes ☐ No		
Type (SRAM, DRAM, etc):	Size:	User Modifiable: Yes No	Function:	Steps to clear memory:
		NI \	/-1-4:1- NA	
Door the device contain no			olatile Memory	the area and a second delay
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): 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 prin	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:	Function:	Steps to clear memory:

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

Figure 10 Certificate of volatility wireless / flori 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.				
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 Canabilities				

Other Capabilities
Does the device employ any other method of communications such as a Modem to transmit or receive any data whatsoever) \(\subseteq \text{ Yes} \subseteq \text{ No If Yes please describe below:} \)
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					