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: HP LaserJet Pro 4001 HP LaserJet Pro 4002 HP LaserJet Pro 4003 HP LaserJet Pro 4004	40 40 40	Part Number: 4001dwe= 2Z601E; 4001dw= 2Z601F; 4002dwe= 2Z606E; 4002dw= 2Z606F; 4003dw= 2Z610A; 4004dw= 2Z615A		Address: Hewlett Packard Company 11311 Chinden Blvd Boise, ID 83714	
	<u>'</u>	Vol	atile Memory		
			se contents are lost when pow		
			unction, and steps to clear the		
Type (SRAM, DRAM, etc):	Size: 256M	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:	Yes No User Modifiable:	Function:	. Steps to clear memory:	
		☐ Yes ☐ No			
N. W. W. M.					
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	256MB	Yes No	Device FW	NA	
Type (Flash, EEPROM, etc): EEPROM	Size: 32KB	User Modifiable:	Function: User setting parameters for prin	Steps to clear memory: Restore factory defaults from control panel or EWS ter	
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 2 Certificate of Volatility SFP wireless (2 of 2)

	U	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				
		rypted files stored and deleted l	by user.		
Can any data other than scar ☐ Yes ☐ No If Yes please	upload be sent to the USB ded describe below	vice)?			
Rear USB host when configur	red will accept stored jobs, enc	rypted files stored and deleted b	oy user.		
	RF/	RFID			
Does the item use RF or RFII Bluetooth) ⊠ Yes ☐ No I		data including remote diagnost	ics. (e.g. Cellular phone,		
Purpose: BLE (Bluetooth Low	Energy)				
Frequency: BLE 2.4 to 2.485	GHz band	Bandwidth: 0.27 Mbit/s			
Modulation: Gaussian frequen	ncy shift modulation	Effective Radiate Power (ERI	P): 10mW max		
Specifications:					
	Other Transmis	sion Capabilities			
Does the device employ any	other methods of non-wired acc	cess 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 Network Connectivity					
Frequency: 2.4GHz and 5GHz Bands Bandwidth: 20/40 MHz					
Modulation: Multiple		Effective Radiate Power (ERI	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 Ir	nformation			
Name Title Email Business Unit					
Hewlett Packard Company	Technical Marketing Engineer		LES Boise CA		
Hewlett Packard Company	Electrical Engineer		LES Boise R&D		
		ared: 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	
			atile Memory		
			se contents are lost when power i		
Type (SRAM, DRAM, etc): DRAM	Size: 256M	User Modifiable:	Function, and steps to clear the me 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:	
Type (SRAM, DRAM, etc):	Size:	☐ Yes ☐ No User Modifiable: Function: ☐ Yes ☐ No		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): Flash	Size: 256MB	User Modifiable: ☐ Yes ☒ No	Function: Device FW	Steps to clear memory: 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: 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:	

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				
		rypted files stored and deleted b	by user.	
	upload be sent to the USB dev			
Rear USB host when configur	red will accept stored jobs, enci	rypted files stored and deleted b	by user.	
	•	•		
	RF/	RFID		
	of for receive or transmit of any fees please describe below	data including remote diagnosti	ics. (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: Modulation:		Bandwidth: Effective Radiate Power (ERI	7).	
	Specifications:			
Specifications.				
	Other Co	apabilities		
Doos the device employ any		apabilities is such as a Modem to transmit	or receive any data	
	o If Yes please describe below		. or receive any data	
Purpose:	o il Tes piease describe below	•		
Specifications:				
ороспісаногіс.				
	Author In	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			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, for User Modifiable:	unction, and steps to clear the Function:	Steps to clear memory:	
Type (Stanin, Divain, etc).	512M	Oser Modiliable.	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:	
Tura (CDAM DDAM ata):	Size:	☐ Yes ☐ No User Modifiable:	Function:	Steps to clear memory:	
Type (SRAM, DRAM, etc):	Size.	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	
		⊠ Yes □No		control panel or EWS	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		Yes No			
Mana Charana					
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.			
RE/REID			

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				
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		20.00, .2 00	
HP LaserJet Pro 4104		0 11011 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:	
. 1, p. (0. 0 a, 2. 0 a, 0.0).	0.20.	oos. modinasioi	- andien	Crops to croat 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		
		⊠ Yes ∏No		control panel or EWS	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
Type (Flash, EEF Frem, 616).	OIZO.	Yes No	T direction.	Stope to dear 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 8 Certificate of Volatility non wireless / fax MFP (2 of 2)

U	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 Yes No If Yes please describe below	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 of Bluetooth) ☐ Yes ☒ No If Yes please describe below	data including remote diagnostics. (e.g. Cellular phone,		
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 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			
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:	Р	Part Number:		Address:	
				Hewlett Packard Company	
HP LaserJet Pro 4101	4	4101dwe= 2Z620E; 4101dw= 2Z620F;		11311 Chinden Blvd	
HP LaserJet Pro 4102	-	4102dwe= 2Z622E; 4102dw= 2Z622F;		Boise, ID 83714	
HP LaserJet Pro 4103		4103dw= 2Z627A, 2Z635A;			
HP LaserJet Pro 4104	4	104dw= 2Z632A			
5 " 1 1 1 1 1			atile Memory		
			se contents are lost when pow 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 job		
			and for applications running the OS.	on	
		☐ Yes ⊠ No	the OO.		
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:	
			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:	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		
		⊠ Yes □No		control panel or EWS	
Type (Flash, EEPROM, etc):	Size:	User Modifiable:	Function:	Steps to clear memory:	
		Yes No			
Maga Ctaraga					
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 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)?
☐ 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:
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					