Comparison matrix

HP PageWide Pro-class security features

The table below shows a list of security features and support of these features across HP PageWide Pro-class printers and competitor devices. This data is provided to support the "Best in Class" security feature claim for HP PageWide Pro 400 and 500 series devices.

	HP PageWide Pro 400 & 500 series	Brother	Canon	Kyocera	Lexmark	Oki Data	Ricoh	Xerox
BIOS security validation at boot	✔	?	?	?	✔	?	✔	?
Firmware/software code validation at boot	✔	?	?	?	✔	?	?	✔
Run-time code integrity	✔	?	?	?	?	?	?	?
802.1X wired authentication	✔	✔	✔	✔	✔	✔	✔	✔
802.1X wireless authentication	✔	✔	✔	✔	✔	✔	✔	✔
Active Directory configuration user/groups relationships	✔	✔	⊘	✔	⊘	⊘	⊘	✔
Authentication lockout after failed attempts	✔	⊘	⊘	✔	✔	⊘	⊘	✔
Configurable authentication timeout	✔	⊘	⊘	✔	✔	⊘	⊘	✔
Color access control on device	✔	✔	✔	✔	✔	✔	✔	✔
Configurable CA certificate	✔	⊘	⊘	⊘	✔	✔	✔	✔
Control panel lock enable control	✔	⊘	⊘	✔	✔	⊘	✔	⊘
Configurable device identity certificate	✔	✔	⊘	✔	✔	✔	✔	✔
Digitally signed firmware/software	✔	✔	✔	✔	✔	✔	✔	✔
Disable network ports and protocols	✔	✔	✔	✔	✔	✔	✔	✔
Disable physical ports (USB, parallel, etc.)	✔	✔	✔	✔	✔	✔	✔	✔
Disable firmware update from all sources	✔	⊘	⊘	⊘	⊘	⊘	⊘	⊘
Disable/hide control panel feature capabilities	✔	⊘	⊘	⊘	⊘	⊘	⊘	⊘
Embedded NFC hardware	✔	✔	⊘	⊘	⊘	⊘	⊘	✔
Embedded Wi-Fi direct security	✔	✔	⊘	⊘	⊘	⊘	⊘	⊘
Embedded encrypted HDD standard	⊘	⊘	⊘	⊘	✔	⊘	⊘	⊘
Encrypted PDF scanning	✔	✔	⊘	✔	✔	⊘	⊘	✔
EWS password protect	✔	✔	✔	✔	✔	✔	✔	✔
Ability to lock fax via pin	✔	✔	✔	⊘	✔	✔	✔	✔
Firewall support	✔	⊘	⊘	✔	⊘	⊘	⊘	⊘
IPP encrypted printing	✔	✔	✔	✔	✔	✔	✔	✔
IPsec	⊘	✔	✔	✔	✔	✔	✔	✔
LDAP address book	✔	✔	✔	✔	✔	✔	⊘	✔
LDAP authentication support	✔	⊘	⊘	✔	✔	✔	✔	✔
Multiple authentication methods	✔	⊘	✔	✔	✔	✔	✔	✔
Multiple user PINs (on the device)	✔	✔	✔	✔	✔	✔	✔	✔
Onboard memory used for private printing	✔	✔	✔	✔	✔	✔	✔	✔
Role-based access to control panel features	✔	✔	✔	✔	✔	✔	✔	✔
Secure file erase mode	✔	⊘	✔	✔	✔	⊘	⊘	✔
Secure encrypted PIN printing	✔	✔	✔	✔	✔	✔	✔	✔
Secure SMTP server (HTTPS)	✔	✔	✔	✔	✔	✔	✔	✔
Secure storage erase	✔	⊘	✔	✔	✔	⊘	⊘	✔
SNMPv3	✔	✔	✔	✔	✔	✔	✔	✔
TLS	✔	✔	✔	✔	✔	✔	✔	✔
TOTALS	36	23	21	28	31	22	21	30

Methodology
Analysis by HP is based on published information from websites, data sheets, and brochures of leading competitive brands and representative in-class devices. Information provided is to the best of our knowledge.

Source
Websites, data sheets, spec sheets, brochures, white papers, catalogs, and other public information from competitors listed below as of March 2019.

Competitive printer model list

HP	Brother	Canon	Kyocera	Lexmark	Oki Data	Ricoh	Xerox
PageWide Pro 400/500 series	MFC-L800CDW	MF8580CDW	ECOSYS M2535dn	MX410de	MC363	AFICIO SP C262	WorkCentre 3345
	MFC-8950DW	MF8380CDW	ECOSYS M6526cdn	XC2132	MC562	SP C261	WorkCentre 6027
	MFC-L8850	MF8280CDW	ECOSYS FS-1135MFP	CX310dn	MC563	SP C251	WorkCentre 6515
	MFC-9970CDW	MF731	ECOSYS P6021CDN	CX310	MC573	SP C260	Phaser 6510
	MFC-9330CDW	MF732	ECOSYS P6026CDN	CX410	C332		Phaser 6022
	MFC-9140CDN	MF733	ECOSYS M5521	CX317	C532		Phaser 3610
	MFC-J4420CDW	MF734	ECOSYS M5526	CX417			
	MFC-J4620CDW	MF735	ECOSYS P5021	CS310			
	MFC-L9570	Maxify MB2320	ECOSYS P5026	CS410			
	MFC-L8610	imageCLASS MF735		CS317			
	MFC-L8690	iSENSYS MF735		CS417			
	MFC-L8900	LBP651					
	DCP-9020CDW	LBP650					
	DCP-L8410						
	HL-3170CDW						
	HL-3140CDW						
	HL-L8260						
	HL-L8360						
	HL-L9310						

Share with colleagues