Comparison matrix

HP Enterprise scanner security features

The table below shows a list of embedded device security features and availability of those features on the world's most secure scanners: the HP Digital Sender Flow 8500 fn2 and HP ScanJet Enterprise Flow N9120 fn2, as compared to competitor devices.[1]

	HP[2]	Epson[3]	Brother[4]	Fujitsu[5]	Avision[6]	Kodak[7]	Canon[8]	Xerox[9]	Plustek[10]
Secure boot	✔	?	?	?	?	✓	?	?	?
With self-healing	✓	?	?	?	?	?	?	?	?
Whitelisting	✓	?	?	?	?	⊘	?	?	?
Intrusion detection (run-time memory inspection)	✓	?	?	✓	?	✓	?	?	?
With self-healing	✓	?	?	?	?	?	?	?	?
SIEM integration	✓	?	?	?	?	?	?	?	?
802.1x authentication	✓	✓	✓	✓	✓	⊘	✓	⊘	?
Access Control Lists (ACL)	✓	✓	✓	✓	✓	✓	✓	✓	?
Active Directory integration	✓	✓	✓	✓	✓	✓	✓	✓	?
Configurable CA certificate	✓	✓	✓	✓	?	✓	?	?	?
Configurable device identity certificate	✓	✓	✓	?	?	✓	?	?	?
Digitally signed firmware/software	✓	✓	✓	✓	?	✓	✓	✓	?
Disable network ports and protocols	✓	✓	✓	✓	✓	✓	✓	?	?
Disable physical ports (USB, parallel, etc.)	✓	✓	?	?	✓	✓	?	?	?
Embedded encrypted HDD	✓	⊘	⊘	✓	?	✓	?	⊘	?
Embedded FIPS 140	✓	⊘	⊘	⊘	⊘	?	?	⊘	?
Embedded secure file erase	✓	?	?	✓	?	✓	✓	?	?
Embedded secure storage erase	✓	?	?	?	?	✓	?	⊘	?
Embedded Wi-Fi Direct	⊘	✓	✓	⊘	⊘	⊘	⊘	⊘	✓
Encrypted and hashed PINS and passwords	✓	?	✓	?	?	?	?	?	?
Encrypted email	✓	?	✓	?	✓	✓	✓	?	✓
Hardware Integration Pocket for security solutions	✓	✓	✓	?	?	✓	?	?	?
IPsec	✓	✓	✓	?	?	✓	✓	?	?
LDAP integration	✓	✓	✓	✓	✓	✓	✓	✓	?
Multiple user PINs (on the device)	✓	✓	?	?	✓	✓	✓	✓	?
Novell integration	✓	?	?	?	?	?	✓	?	?
Password complexity as default	✓	⊘	⊘	⊘	⊘	⊘	⊘	⊘	?
Role-based access to control panel features	✓	✓	✓	✓	✓	✓	✓	✓	?
Secure SMTP server (HTTPS)	✓	✓	✓	✓	✓	✓	✓	✓	?
Security event logging	✓	✓	✓	✓	?	✓	✓	?	✓
Single sign-on (on device)	✓	?	?	?	?	?	?	?	?
SNMP v3	✓	✓	✓	✓	?	✓	✓	?	?
TLS 1.1/1.2	✓	✓	✓	?	✓	✓	?	?	✓
Trusted Platform Module (TPM)	✓	?	?	?	?	?	?	⊘	?
Turn on/off Remote Firmware Upgrade (RFU) on device	✓	?	?	?	?	?	?	?	?
TOTALS	34	18	18	14	11	22	15	7	4

Methodology

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

Notes

[1] "World's most secure scanning" claim is based on an HP review of 2019 published security features of competitive in-class enterprise scanners. Only HP offers a combination of security features that can monitor to detect and automatically stop an attack then self-validate software integrity in a reboot. For more information visit hp.com/go/scannersecurity.

Source data

Competitors listed within websites, data sheets, spec sheets, brochures, white papers, catalogues, and other public information as of April 2019.

[2] **HP**
Digital Sender Flow 8500 fn2
ScanJet Enterprise Flow N9120 fn2

[3] **Epson**
DS-70000N
DS-780N
DS-530N
DS-570W

[4] **Brother**
ADS-3600W
ADS-3000N
ADS-2800W
ADS-2400N

[5] **Fujitsu**
N7100
iX500
iX1500

[6] **Avision**
SC8800
AN240W

[7] **Kodak**
730EX
i1190WN

[8] **Canon**
ScanFront 400
ScanFront 330

[9] **Xerox**
DocuMate 3920

[10] **Plustek**
A250
A150

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