

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 NFC hardware | | ✓ | ✓ | | ✓ | | | | |
| 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 | 15 | 12 | 11 | 10 | 10 | 5 | 2 |

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 2017 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 August 2017.

² HP

Digital Sender Flow 8500 fn2
ScanJet Enterprise Flow N9120 fn2

³ Epson

DS-7000N
DS-780N
DS-530N
DS-570W

⁴ Brother

ADS-3600W
ADS-3000N
ADS-2800W
ADS-2400N

⁵ Fujitsu

N7100
iX500

⁶ Avision

SC8800
AN240W

⁷ Kodak

730EX
i1190WN

⁸ Canon

ScanFront 400
ScanFront 330

⁹ Xerox

DocuMate 3920

¹⁰ Xerox

DocuMate 3920



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