



World's most secure LFP matrix

	SECURITY FEATURE	HP	PRIMARY COMPETITORS			
		HP DJ XL 3800	Canon TZ-30000	KIP 7171	Canon PW 3500	KIP 660
Device protection	Secure Boot	✓(a) ¹	?	⊗	?	⊗
	Firmware validation - validating the authenticity of the firmware	✓	⊗	?	✓(d) ¹	?
	Automatic FW updates	✓	⊗(b) ¹	⊗(c) ¹	⊗(d) ²	⊗(e) ¹
	HTTPS redirect	✓	✓	?	✓	?
	SNMP v1/v2 read only	✓	✓	?	⊗	?
	SNMP v3 disabled by default	✓	✓	?	✓	?
	Memory write protection	✓	⊗	?	✓(d) ³	?
	Unique admin password	✓	?	✓(c) ²	⊗	✓(e) ²
	Security event logging	✓	⊗	⊗	✓	⊗
	Disable USB ports	✓	?	⊗	✓	⊗
	Validate BIOS authenticity with HW root of trust with self healing capabilities	✓(a) ²	⊗	⊗	✓(d) ⁴	⊗
	Whitelisting applications and processes allowed to run on the printer with self healing capabilities	✓(a) ³	⊗	⊗	✓(d) ⁵	⊗
	Kernel Memory protection during run time with self healing capabilities	✓(a) ⁴	⊗	⊗	✓(d) ⁶	⊗
	Network behavior anomaly detection with self healing capabilities	✓(a) ⁵	⊗	⊗	⊗	⊗
Data protection	Front panel access protection	✓(a) ⁶	⊗	?	✓(d) ⁷	?
	LDAP authentication, also called active directory authentication	✓	⊗	⊗	✓	⊗
	Kerberos authentication	✓	⊗	⊗	✓	⊗
	Self-encrypted HDD (FIPS 140-2)	✓(a) ⁷	?	?	⊗(d) ⁸	?
	Removable HDD	✓(a) ⁷	⊗	✓(c) ³	✓	✓(e) ³
	TLS	✓	✓	?	✓	?
	IPsec	✓	✓	✓	✓	✓
	802.1x	✓	✓	?	✓	?
	NTLM v2	✓	?	?	?	?
	Secure file erase	✓(a) ⁷	?	✓	✓	✓
	Secure disk erase, Crypto erase depending on the disk	✓	?	✓	?	✓
	IPv4 and IPv6 compatibility	✓	✓	✓	✓	✓
	CA/JD compatibility	✓	⊗	?	⊗	?
	Data encryption with Trusted Platform Module (TPM)	✓	⊗	⊗	✓	⊗
Document protection	Private pickup	✓(a) ⁸	✓(b) ²	✓(c) ⁴	✓(d) ⁹	✓(e) ⁴
Fleet security monitoring	Fleet management solution	✓(a) ⁹	✓(b) ³	⊗(c) ⁵	✓(d) ¹⁰	⊗(e) ⁵
	Security policy enforcement tool	✓(a) ¹⁰	⊗	⊗	⊗	⊗
	SIEM integration	✓(a) ¹¹	⊗	⊗	✓(d) ¹¹	⊗

(a)¹ With HW root of trust; (a)² Sure Start; (a)³ Whitelisting; (a)⁴ Runtime intrusion detection; (a)⁵ Connection inspector; (a)⁶ RBAC; (a)⁷ for TAA Compliant unit 70R88G#BCB; (a)⁸ PIN Printing; (a)⁹ HP Web JetAdmin; (a)¹⁰ HP Security Manager and HP Command Center; (a)¹¹ Splunk McAfee SIEMs.

(b)¹ Manual; (b)² PIN and Pull Printing; (b)³ Canon Uniflow.

(c)¹ Technical service; (c)² Unique 4 Digit Security PIN; (c)³ Optional; (c)⁴ PIN and Pull Printing; (c)⁵ Not complete solution.

(d)¹ Optional McAfee Application control; (d)² Technical service; (d)³ Optional McAfee Application control & McAfee Whitelisting Application control; (d)⁴ Optional McAfee Application control; (d)⁵ Optional McAfee Application control; (d)⁶ RBAC; (d)⁷ Optional; (d)⁸ PIN and Pull Printing; (d)⁹ Canon Uniflow; (d)¹⁰ Optional McAfee Application control.

(e)¹ Technical service; (e)² Unique 4 Digit Security PIN; (e)³ Optional; (e)⁴ PIN and Pull Printing; (e)⁵ Not complete solution.



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	SECURITY FEATURE	HP	OTHER COMPETITORS			
		HP DJ XL 3800	Epson SC T5700D	Canon CW 3600	RICOH MP CW 2201 SP	RICOH IM CW 2200
Device protection	Secure Boot	✓ (a) ¹	?	?	?	?
	Firmware validation - validating the authenticity of the firmware	✓	?	✓ (c) ¹	?	?
	Automatic FW updates	✓	✗ (b) ¹	✗ (c) ²	✓	✓
	HTTPS redirect	✓	?	✓	?	?
	SNMP v1/v2 read only	✓	?	✓ (c) ³	✓	✓
	SNMP v3 disabled by default	✓	?	✓	?	?
	Memory write protection	✓	?	✓ (c) ⁴	?	?
	Unique admin password	✓	✓	✗	✓	✓
	Security event logging	✓	?	✓	?	?
	Disable USB ports	✓	✓	✓	✓	✓
	Validate BIOS authenticity with HW root of trust with self healing capabilities	✓ (a) ²	✗	✓ (c) ⁵	✗	✗
	Whitelisting applications and processes allowed to run on the printer with self healing capabilities	✓ (a) ³	✓	✓ (c) ⁶	?	?
	Kernel Memory protection during run time with self healing capabilities	✓ (a) ⁴	✗	✓ (c) ⁷	✗	✗
	Network behavior anomaly detection with self healing capabilities	✓ (a) ⁵	✗	✗	?	?
Data protection	Front panel access protection	✓ (a) ⁶	?	✓ (c) ⁸	✓ (d) ¹	✓ (e) ¹
	LDAP authentication, also called active directory authentication	✓	?	✓	✓	✓
	Kerberos authentication	✓	?	✓	✓	✓
	Self-encrypted HDD (FIPS 140-2)	✓ (a) ⁷	?	✓	✓	✓
	Removable HDD	✓ (a) ⁷	?	✓ (c) ⁹	✗	✗
	TLS	✓	✓	✓	✓	✓
	IPsec	✓	✓	✓	✓	✓
	802.1x	✓	✓	✓	✓	✓
	NTLM v2	✓	?	?	✓	✓
	Secure file erase	✓ (a) ⁷	?	✓	✓	✓
	Secure disk erase, Crypto erase depending on the disk	✓	?	ⓘ (c) ¹⁰	✓	✓
	IPv4 and IPv6 compatibility	✓	✓	✓	✓	✓
	CA/JD compatibility	✓	?	✗	?	?
Data encryption with Trusted Platform Module (TPM)	✓	?	✓	?	?	
Document protection	Private pickup	✓ (a) ⁸	?	✓ (c) ¹¹	?	?
Fleet security monitoring	Fleet management solution	✓ (a) ⁹	✗	✓ (c) ¹²	✓ (d) ²	✓ (e) ²
	Security policy enforcement tool	✓ (a) ¹⁰	✗	✗	✗	✗
	SIEM integration	✓ (a) ¹¹	✓	✓ (c) ¹³	?	?

(a)¹ With HW root of trust; (a)² Sure Start; (a)³ Whitelisting; (a)⁴ Runtime intrusion detection; (a)⁵ Connection Inspector; (a)⁶ RBAC; (a)⁷ for TAA Compliant unit 7QR88G#BCB; (a)⁸ PIN Printing; (a)⁹ HP Web JetAdmin; (a)¹⁰ HP Security Manager and HP Command Center; (a)¹¹ Splunk McAfee SIEMS.
 (b)¹ Manual.
 (c)¹ Optional McAfee Application control; (c)² Technical service; (c)³ SNMP v3 also; (c)⁴ Optional McAfee Application control and McAfee Whitelisting Application control; (c)⁵ Optional McAfee Application control; (c)⁶ Optional McAfee Application control; (c)⁷ Optional McAfee Application control; (c)⁸ RBAC; (c)⁹ Optional; (c)¹⁰ Canon specifies that the internal hard disk drive of the POWERSync controller can be removed and physically destroyed; (c)¹¹ PIN and Pull Printing; (c)¹² Canon Uniflow; (c)¹³ Optional McAfee Application control.
 (d)¹ RBAC; (d)² Ricoh @Remote.
 (e)¹ RBAC; (e)² Ricoh @Remote.