Security Guidebook Function List (Business Printers)

EPSON EXCEED YOUR VISION

✓: Supported   - : Not supported

Security Function	WF-8510 / WF-8590 Series / WF-R8590	WF-8010 / WF-8090 Series	WF-5690 / WF-5620 Series	WF-4640 / WF-4630	WF-R4640 / WF-R5690 Series / WF-M5690 Series	WF-5190 Series	WF-5110 Series	WF-6530 / WF-6590 Series	WF-6090 Series	WF-C869R Series	WF-C20590 Series / WF-C17590 Series	WF-C5790 Series	WF-C5710	ET-8700	WF-M5799 Series	WF-C5290 Series	WF-C5210	WF-M5299 Series / WF-M5298
Network Security																		
TLS Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Controlling Protocol Permissions and exclusions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPsec/IP Filtering	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IKEv1	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IKEv2	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP:AES-CBC-128/AES-CBC-192/AES-CBC-256/3DES	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP:AES-GCM-128/AES-GCM-192/AES-GCM-256	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP/AH:SHA-1/MD5	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP/AH:SHA-256/SHA-384/SHA-512	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
IEEE802.1X Authentication	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EAP-TLS	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PEAP-TLS	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PEAP/MSCHAPv2	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EAP-TTLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	✓
AES128/AES256/3DES/RC4	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMPv3	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WPA3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Separation Between Interfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protecting Your Products																		
Block USB Connection from Computer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disabling the External Interface	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Handling Viruses Introduced by USB Memory	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Print / Scan Security																		
Confidential Jobs	✓*8	✓*8	✓*8	-	✓*8	✓*8	-	✓*8	✓*8	✓*8	3	3	3	3	✓*8	3	3	✓*8
Anti-Copy Pattern	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
Watermark	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
PDF Encryption	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
S/MIME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AES-128/AES-192/AES-256/3DES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHA-1/SHA-256/SHA-384/SHA-512/MD5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domain Restrictions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Authorization Password for Scan to Network Folder/FTP, Scan to Email, and Email Notification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Default Disabling of File Access from PDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secure Printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fax Security																		
Direct Dialing Restrictions	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Confirmation of Address List	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Dial Tone Detection	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Measures Against Abandoned Faxes	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Transmission Confirmation Report	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Deleting the Backup Data for Received Faxes	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Limit Sending to Multiple Recipients	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
User Data Protection																		
Box Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protecting Your Address Book	✓	-	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Data Handling Processed by Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Encryption of Saved Data in Hard Disk	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-
Sequential Deletion of Job Data	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-
Password Encryption	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TPM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mirroring of the Hard Disk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operational Limitation																		
Panel Lock	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Access Control	✓	-	✓	-	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓*3	-	✓*3
Authenticated Printing / Scanning	-	-	-	-	-	-	-	-	-	✓*1	✓*1	✓*1	-	-	✓*1	✓*1	-	✓*1
Password Policy	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-
Audit Log	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-
Product Security																		
Automatic Firmware Updates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Protection against Illegal Firmware Updates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secure Boot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malware Infiltration Detection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security Measures When You Dispose of Printer																		
Restore Factory Default	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Security Certification and Standards																		
ISO15408/IEEE2600.2™	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-

*1 Requires authentication devices such as IC card reader.

*2 Access Control are supported only via the printer driver.

*3 Epson Print Admin must be installed separately, and Access Control are supported only via the printer driver.

*4 Only supported when the optional hard disk unit is installed.

*5 Only available when the optional fax board is installed.

*6 To set up Epson Print Admin Serverless, an optional hard disk unit must be installed.

*7 May not be supported depending on the region. Please contact the local sales office for availability in your country.

*8 Only supported the windows printer driver.

Security Function	WF-C8690 Series	WF-C8190 Series	WF-C8610	WF-C579R Series	WF-C529R	WF-M20590 Series	WF-C879R Series	WF-C878R Series	WF-C20600 Series WF-C20750 Series WF-C21000 Series	WF-M21000 Series	AL-C9500DN Series AL-C9400DN Series	AL-M8250DN Series AL-M8150DN Series	AL-M7150DN Series	L15160 Series ET-16650 Series ST-C8000 Series	L15180 Series ET-16680 Series ST-C8090 Series	L15150 Series ET-16600 Series	L11160 Series ET-16150 Series	M15140 Series ET-M16600 Series
Network Security																		
TLS Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Controlling Protocol Permissions and exclusions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPsec/IP Filtering	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IKEv1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IKEv2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP:AES-CBC-128/AES-CBC-192/AES-CBC-256/3DES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP:AES-GCM-128/AES-GCM-192/AES-GCM-256	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP/AH:SHA-1/MD5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ESP/AH:SHA-256/SHA-384/SHA-512	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IEEE802.1X Authentication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EAP-TLS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PEAP-TLS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PEAP/MSCHAPv2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EAP-TTLS	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AES128/AES256/3DES/RC4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMPv3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WPA3	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓
Separation Between Interfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protecting Your Products																		
Block USB Connection from Computer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disabling the External Interface	✓	-	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	-	✓
Handling Viruses Introduced by USB Memory	✓	-	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	-	✓
Print / Scan Security																		
Confidential Jobs	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	3	3	✓*8	✓	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
Anti-Copy Pattern	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
Watermark	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
PDF Encryption	✓	-	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	-	✓
S/MIME	-	-	-	-	-	-	✓	-	✓	✓	-	-	-	-	-	-	-	-
AES-128/AES-192/AES-256/3DES	-	-	-	-	-	-	✓	-	✓	✓	-	-	-	-	-	-	-	-
SHA-1/SHA-256/SHA-384/SHA-512/MD5	-	-	-	-	-	-	✓	-	✓	✓	-	-	-	-	-	-	-	-
Domain Restrictions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Authorization Password for Scan to Network Folder/FTP, Scan to Email, and Email Notification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Default Disabling of File Access from PDL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secure Printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fax Security																		
Direct Dialing Restrictions	✓	-	✓	✓	-	✓	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
Confirmation of Address List	✓	-	✓	✓	-	✓	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
Dial Tone Detection	✓	-	✓	✓	-	✓	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
Measures Against Abandoned Faxes	✓	-	✓	✓	-	✓	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
Transmission Confirmation Report	✓	-	✓	✓	-	✓	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
Deleting the Backup Data for Received Faxes	✓	-	✓	✓	-	✓	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
Limit Sending to Multiple Recipients	-	-	-	-	-	-	✓	✓	✓*5	✓*5	-	-	-	✓	✓	✓	-	-
User Data Protection																		
Box Security	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-
Protecting Your Address Book	✓	-	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓
Data Handling Processed by Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Encryption of Saved Data in Hard Disk	-	-	-	-	-	✓	✓	-	✓	✓	✓*4	✓*4	-	-	-	-	-	-
Sequential Deletion of Job Data	-	-	-	-	-	✓	✓	-	✓	✓	-	-	-	-	-	-	-	-
Password Encryption	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TPM	-	-	-	-	-	-	✓*7	-	✓*7	✓*7	-	-	-	-	-	-	-	-
Mirroring of the Hard Disk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Operational Limitation																		
Panel Lock	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Access Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓*4	✓*4	✓	✓	✓	✓	✓	✓
Authenticated Printing / Scanning	✓*1	✓*1	-	✓*1	✓*1	✓*1	✓*1	✓*1	✓*1	✓*1	✓*1*6	✓*1*6	-	-	-	✓*1	-	-
Password Policy	-	-	-	-	-	✓	-	-	✓	✓	-	-	-	-	-	-	-	-
Audit Log	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Product Security																		
Automatic Firmware Updates	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-
Protection against Illegal Firmware Updates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Secure Boot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malware Infiltration Detection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Security Measures When You Dispose of Printer																		
Restore Factory Default	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Security Certification and Standards																		
ISO15408/IEEE2600.2™	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-

*1 Requires authentication devices such as IC card reader.

*2 Access Control are supported only via the printer driver.

*3 Epson Print Admin must be installed separately, and Access Control are supported only via the printer driver.

*4 Only supported when the optional hard disk unit is installed.

*5 Only available when the optional fax board is installed.

*6 To set up Epson Print Admin Serverless, an optional hard disk unit must be installed.

*7 May not be supported depending on the region. Please contact the local sales office for availability in your country.

*8 Only supported the windows printer driver.

Security Function	M15180 Series / ET-M16680 Series	L6580 Series / ET-5880 Series	L6570 Series / ET-5850 Series	L6550 Series / ET-5800 Series	ST-C4100 Series	ST-C2100 Series	ST-M3000 Series	ST-M1000 Series	EC-C110 Series	WF-C4810 Series	WF-C5810 Series	WF-C5890 Series	WF-C5310 Series	WF-C5390 Series	WF-C4310 Series	AM-C4000 Series	AM-C5000 Series	AM-C6000 Series
Network Security																		
TLS Communication	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TLS1.3	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
Controlling Protocol Permissions and exclusions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IPsec/IP Filtering	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
IKEv1	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
IKEv2	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
ESP:AES-CBC-128/AES-CBC-192/AES-CBC-256/3DES	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
ESP:AES-GCM-128/AES-GCM-192/AES-GCM-256	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
ESP/AH:SHA-1/MD5	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
ESP/AH:SHA-256/SHA-384/SHA-512	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
IEEE802.1X Authentication	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
EAP-TLS	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
PEAP-TLS	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
PEAP/MSCHAPv2	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
EAP-TTLS	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
AES128/AES256/3DES/RC4	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
SNMPv3	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
WPA3	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Separation Between Interfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protecting Your Products																		
Block USB Connection from Computer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Disabling the External Interface	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓
Handling Viruses Introduced by USB Memory	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓
Print / Scan Security																		
Confidential Jobs	✓*8	✓*8	✓*8	✓*8	-	-	-	-	-	✓	✓	✓	✓	-	-	✓	✓	✓
Anti-Copy Pattern	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	-	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
Watermark	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8	✓*8
PDF Encryption	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓
S/MIME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
AES-128/AES-192/AES-256/3DES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
SHA-1/SHA-256/SHA-384/SHA-512/MD5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Domain Restrictions	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓
Authorization Password for Scan to Network Folder/FTP, Scan to Email, and Email Notification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Default Disabling of File Access from PDL	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	✓	-	✓
Secure Printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fax Security																		
Direct Dialing Restrictions	-	✓	✓	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
Confirmation of Address List	-	✓	✓	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
Dial Tone Detection	-	✓	✓	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
Measures Against Abandoned Faxes	-	✓	✓	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
Transmission Confirmation Report	-	✓	✓	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
Deleting the Backup Data for Received Faxes	-	✓	✓	✓	✓	-	✓	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
Limit Sending to Multiple Recipients	-	✓	✓	✓	✓	-	-	-	-	✓	✓	✓	-	-	-	✓*5	✓*5	✓*5
User Data Protection																		
Box Security	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Protecting Your Address Book	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	-	-	-	✓	✓	✓
Data Handling Processed by Products	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Encryption of Saved Data in Hard Disk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Sequential Deletion of Job Data	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Password Encryption	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
TPM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Mirroring of the Hard Disk	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Operational Limitation																		
Panel Lock	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	✓	✓	✓
Access Control	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
Authenticated Printing / Scanning	✓*1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓*1	✓*1	✓*1
Password Policy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Audit Log	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	✓
Product Security																		
Automatic Firmware Updates	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	✓
Protection against Illegal Firmware Updates	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Secure Boot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Malware Infiltration Detection	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	✓	✓	✓
Security Measures When You Dispose of Printer																		
Restore Factory Default	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Security Certification and Standards																		
ISO15408/IEEE2600.2™	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Security Function	L5590 Series	L3550 Series ET-2830 Series	L3560 Series ET-2840 Series	L8050 Series	L18050 Series
Network Security					
TLS Communication	✓	✓	✓	✓	✓
TLS1.1	✓	✓	✓	✓	✓
TLS1.2	✓	✓	✓	✓	✓
TLS1.3	-	-	-	-	-
Controlling Protocol Permissions and exclusions	✓	✓	✓	✓	✓
IPsec/IP Filtering	-	-	-	-	-
IKEv1	-	-	-	-	-
IKEv2	-	-	-	-	-
ESP:AES-CBC-128/AES-CBC-192/AES-CBC-256/3DES	-	-	-	-	-
ESP:AES-GCM-128/AES-GCM-192/AES-GCM-256	-	-	-	-	-
ESP/AH:SHA-1/MD5	-	-	-	-	-
ESP/AH:SHA-256/SHA-384/SHA-512	-	-	-	-	-
IEEE802.1X Authentication	-	-	-	-	-
EAP-TLS	-	-	-	-	-
PEAP-TLS	-	-	-	-	-
PEAP/MSCHAPv2	-	-	-	-	-
EAP-TTLS	-	-	-	-	-
AES128/AES256/3DES/RC4	-	-	-	-	-
SNMPv3	✓	✓	✓	✓	✓
WPA3	✓	✓	✓	✓	✓
Separation Between Interfaces	✓	✓	✓	✓	✓
Protecting Your Products					
Block USB Connection from Computer	✓	✓	✓	✓	✓
Disabling the External Interface	-	-	-	-	-
Handling Viruses Introduced by USB Memory	-	-	-	-	-
Print / Scan Security					
Confidential Jobs	-	-	-	-	-
Anti-Copy Pattern	✓*8	✓*8	✓*8	✓*8	✓*8
Watermark	✓*8	✓*8	✓*8	✓*8	✓*8
PDF Encryption	-	-	-	-	-
S/MIME	-	-	-	-	-
AES-128/AES-192/AES-256/3DES	-	-	-	-	-
SHA-1/SHA-256/SHA-384/SHA-512/MD5	-	-	-	-	-
Domain Restrictions	-	-	-	-	-
Authorization Password for Scan to Network Folder/FTP, Scan to Email, and Email Notification	-	-	-	-	-
Default Disabling of File Access from PDL	-	-	-	-	-
Secure Printing	✓	✓	✓	✓	✓
Fax Security					
Direct Dialing Restrictions	✓	-	-	-	-
Confirmation of Address List	✓	-	-	-	-
Dial Tone Detection	✓	-	-	-	-
Measures Against Abandoned Faxes	✓	-	-	-	-
Transmission Confirmation Report	✓	-	-	-	-
Deleting the Backup Data for Received Faxes	✓	-	-	-	-
Limit Sending to Multiple Recipients	✓	-	-	-	-
User Data Protection					
Box Security	-	-	-	-	-
Protecting Your Address Book	✓	-	-	-	-
Data Handling Processed by Products	✓	✓	✓	✓	✓
Encryption of Saved Data in Hard Disk	-	-	-	-	-
Sequential Deletion of Job Data	-	-	-	-	-
Password Encryption	✓	✓	✓	✓	✓
TPM	-	-	-	-	-
Mirroring of the Hard Disk	-	-	-	-	-
Operational Limitation					
Panel Lock	✓	✓	✓	✓	✓
Access Control	-	-	-	-	-
Authenticated Printing / Scanning	-	-	-	-	-
Password Policy	-	-	-	-	-
Audit Log	-	-	-	-	-
Product Security					
Automatic Firmware Updates	-	-	-	-	-
Protection against Illegal Firmware Updates	✓	✓	✓	✓	✓
Secure Boot	-	-	-	-	-
Malware Infiltration Detection	-	-	-	-	-
Security Measures When You Dispose of Printer					
Restore Factory Default	✓	✓	✓	✓	✓
Security Certification and Standards					
ISO15408/IEEE2600.2™	-	-	-	-	-

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✓: Supported   - : Not supported

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Security Function	DS-790WN	DS-730N	ES-580W RR-600W
Network Security			
TLS Communication	✓	✓	✓
TLS1.1	✓	✓	✓
TLS1.2	✓	✓	✓
TLS1.3	-	-	-
Controlling Protocol Permissions and exclusions	✓	✓	✓
IPsec/IP Filtering	✓	✓	✓
IKEv1	✓	✓	✓
IKEv2	✓	✓	✓
ESP:AES-CBC-128/AES-CBC-192/AES-CBC-256/3DES	✓	✓	✓
ESP:AES-GCM-128/AES-GCM-192/AES-GCM-256	✓	✓	✓
ESP/AH:SHA-1/MD5	✓	✓	✓
ESP/AH:SHA-256/SHA-384/SHA-512	✓	✓	✓
IEEE802.1X Authentication	✓	✓	✓
EAP-TLS	✓	✓	✓
PEAP-TLS	✓	✓	✓
PEAP/MSCHAPv2	✓	✓	✓
EAP-TTLS	✓	✓	✓
AES128/AES256/3DES/RC4	✓	✓	✓
SNMPv3	✓	✓	✓
WPA3	✓	-	✓
Separation Between Interfaces	✓	✓	✓
Protecting Your Products			
Block USB Connection from Computer	✓	✓	✓
Disabling the External Interface	✓	✓	✓
Handling Viruses Introduced by USB Memory	✓	✓	✓
Print / Scan Security			
Confidential Jobs	-	-	-
Anti-Copy Pattern	-	-	-
Watermark	-	-	-
PDF Encryption	✓	✓	✓
S/MIME	-	-	-
AES-128/AES-192/AES-256/3DES	-	-	-
SHA-1/SHA-256/SHA-384/SHA-512/MD5	-	-	-
Domain Restrictions	-	-	-
Authorization Password for Scan to Network Folder/FTP, Scan to Email, and Email Notification	-	-	-
Default Disabling of File Access from PDL	-	-	-
Secure Printing	-	-	-
Fax Security			
Direct Dialing Restrictions	-	-	-
Confirmation of Address List	-	-	-
Dial Tone Detection	-	-	-
Measures Against Abandoned Faxes	-	-	-
Transmission Confirmation Report	-	-	-
Deleting the Backup Data for Received Faxes	-	-	-
Limit Sending to Multiple Recipients	-	-	-
User Data Protection			
Box Security	-	-	-
Protecting Your Address Book	✓	✓	✓
Data Handling Processed by Products	✓	✓	✓
Encryption of Saved Data in Hard Disk	-	-	-
Sequential Deletion of Job Data	-	-	-
Password Encryption	✓	✓	✓
TPM	-	-	-
Mirroring of the Hard Disk	-	-	-
Operational Limitation			
Panel Lock	✓	✓	✓
Access Control	✓	-	-
Authenticated Printing / Scanning	✓*1	-	-
Password Policy	-	-	-
Audit Log	-	-	-
Product Security			
Automatic Firmware Updates	-	-	-
Protection against Illegal Firmware Updates	-	-	-
Secure Boot	-	-	-
Malware Infiltration Detection	-	-	-
Security Measures When You Dispose of Printer			
Restore Factory Default	✓	✓	✓
Security Certification and Standards			
ISO15408/IEEE2600.2™	-	-	-

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