



## Security Features Reference for

**MX-M2651/M3051/M3551/M4051/M5051/M6051,  
MX-M3071/M3571/M4071/M5071/M6071  
MX-B376W/B476W**

Feature	Sharp Standard Features		Optional Data Security Kit (DSK) MX-FR63U MX-FR64U	
	Standard Features	Standard Security Mode	DSK Standard Features	Advanced DSK Mode
<b>Data Security</b>				
Trusted Platform Module (TPM)	No	No	Yes	Yes
Data overwrite method (HDD)	No	0-FF/Random Number/ DoD 5220.22-M	0-FF/Random Number/ DoD 5220.22-M	0-FF/Random Number/ DoD 5220.22-M
Data overwrite method (Flash, SSD)	No	0	0	0
Data overwrite after job completion (10 times overwrite)	No	Up to 10 times overwrite	Up to 10 times overwrite	Up to 10 times overwrite
Data overwrite on demand	No	No	Yes	Yes
Clear all memory	No	No	Yes	Yes
Clear all data in job status jobs completed list	No	No	Yes	Yes
Clear document filing data	No	No	Yes	Yes
Clear address book/registered data	No	No	Yes	Yes
Auto clear at power on	No	No	Yes	Yes
End of Lease feature (Clear all memory and print a confirmation report)	Yes ("0" value overwrite)	Yes (Random # overwrite)	Yes (Random # overwrite)	Yes (Random # overwrite)
Data encryption (AES 256 bit)	No	Yes (ECB mode)	Yes (ECB mode)	Yes (CBC mode)
Encrypted PDF	Yes	Yes	Yes	Yes
<b>Network and Communication Security</b>				
Network communication protection: HTTPS, IPsec & TLS	Yes	Yes	Yes	HTTPS & TLS always on
Network communication protection: Wireless LAN	Yes	Yes	Yes	Wireless not allowed
Kerberos	Yes	Yes	Yes	Yes
S/MIME encryption	Yes	Yes	Yes	Always on
IP address filtering	Yes	Yes	Yes	Yes
MAC address filtering	Yes	Yes	Yes	Yes
Port management (enable and disable ports)	Yes	Yes	Yes	Yes
SNMPv3 support	Yes	Yes	Yes	Yes (SNMPv1 not allowed)
Device certificates	Yes	Yes	Yes	Yes
Cross-Site Request Forgery (CSRF) protection / Denial of service	Yes	Yes	Yes	Yes
IEEE802.1X™ authentication	Yes	Yes	Yes	Yes
<b>Authenticaiton and Access Control</b>				
User authentication (Local/LDAP/Active Directory Kerberos)	Yes	Yes	Yes	HTTPS & TLS always on
ID card authentication	Yes	Yes	Yes	ID card not allowed
Active Directory integration (MFP to join AD Domain)	Yes	Yes	Yes	Yes
Active Directory integration single sign-on (folder, email, home directory)	Yes	Yes	Yes	No
Access control: asset, function, and destinations	Yes	Yes	Yes	Always on
Password protected admin access to device home page	Yes	Yes	Yes	Always on
Password Length and requirements	User 0-255 Admin 5-255	User 0-255 Admin 5-255	User 0-255 Admin 5-255	User/Admin N-255 (N: 5 to 32; Admin specifiable) Character: 52 letters, 10 numbers, 10 specified symbols
Protection of admin password (when logged in via FTP)	No	Yes	Always on	Always on
Protection of file/folder password	No	Yes	Always on	Always on
User lockout	*Yes	*Yes	Always on	Always on

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<b>Print Security</b>				
Printer job authentication	Yes	Yes	Yes	Always on
PIN number/password print release	Yes	Yes	Yes	Always on
Server-less print release	Yes	Yes	Yes	No
USB printing (when it is allowed)	Yes	Yes	Yes	No
Disabling list print	No	No	Yes	Yes
Disabling document filing	No	No	Yes	Yes
Disabling print jobs other than print hold job	Yes	Yes	Yes	Always on
Disabling job status jobs completed list display	No	No	Yes	Yes
Printing of document control pattern	No	No	Yes	Yes
Job stop when document control pattern is detected	No	No	Yes	Yes
<b>Mobile and Cloud Features</b>				
Cloud Connect (OneDrive®, SharePoint® Online, Google Drive™)	Yes	Yes	Yes	No
Email Connect (Exchange Server, Gmail™)	Yes	Yes	Yes	No
Mobile printing (AirPrint®, Android™, Sharpdesk® Mobile, Google Cloud Print™)	Yes	Yes	Yes	No
<b>Scan Features and Sharp OSA® Applications</b>				
Direct domain entry restriction	Yes	Yes	Yes	Yes
Sharp OSA: ACM & EAM External Application	Yes	Yes	Yes	No
Scan to shared folders	Yes	Yes	Yes	No
Scan to USB	Yes	Yes	Yes	No
Scan to email	Yes	Yes	Yes	Yes with S/MIME
Scan to FTP	Yes	Yes	Yes	Yes with SSL
Network Scanner Tool	Yes	Yes	Yes	No
Document filing - access to Quick File Folder	Yes	Yes	Yes	No
Document filing - data backup / export	Yes	Yes	Yes	No
<b>Fax Features</b>				
Confidential fax (with fax option)	Yes	Yes	Yes	No
Segregated fax line from network connection (with fax option)	Yes	Yes	Yes	Yes
Prevention of junk fax (with fax option)	Yes	Yes	Yes	Yes
Fax forwarding	Yes	Yes	Yes	No
Fax polling	Yes	Yes	Yes	Receiving only
Internet fax	Yes	Yes	Yes	No
Programmable fax	Yes	Yes	Yes	No
<b>Job Log, Syslog and Audit Log</b>				
Job Log	Yes	Yes	Yes	Yes
Syslog (MFP system log) with RFC 5424/3164 Standard Syslog Protocol	Yes	Yes	Yes	Yes
Audit Log with RFC 5424/3164 Standard Syslog Protocol	Yes*	Yes*	Yes	Always on
Audit Log export	Yes	Yes	Yes	Yes with SSL
<b>Service Features</b>				
Display firmware version	Yes	Yes	Yes	Yes
Service login	Yes	Yes	Yes	Yes - require Admin authorization
Firmware self-diagnostic and validation at power on	No	No	No	Yes
Firmware signature: digital signature	No	No	Yes	Required
Firmware signature: OP panel validation before update	No	No	No	Required
SIM password protection	Yes	Yes	Yes	Always on
Admin / service password reset feature	Yes	Yes	Yes	No



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100 Paragon Drive, Montvale, NJ 07645  
1-800-BE-SHARP • www.sharppusa.com

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