

Sharp OSA[®] Platform Compatibility



SHARP[®]

Sharp OSA® Platform Compatibility (Color Products)

	MX-C301W	MX-C312	MX-C402SC	MX-2310U/ 3111U	MX-2600N/ 3100N	MX-2615N/ 3115N	MX-2610N/ 3110N/ 3610N	MX-2640N/ 3140N/ 3640N	MX-4140N/ 4141N/5140N/ 5141N	MX-4110N/ 4111N/5110N/ 5111N	MX-6240N/ 7040N	MX-6500N/ 7500N (without Firey)
Speed (PPM)	30 ppm 37 ppm (Scan)	31 ppm	40 ppm	23/31 ppm	26/31 ppm	26/31ppm	26/31/36 ppm	26/31/36 ppm	41/41/51/51 ppm	41/41/51/51 ppm	62/70 ppm	65/75 ppm
Function ¹	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax
Maximum Paper Size (Print)	Legal	Legal	Legal	Ledger	Ledger	12"x18"	12"x18"	12"x18"	12"x18"	12"x18"	12"x18"	13"x19"
LCD Display ²	7" Touchscreen Color	7" Touchscreen Color	8.5 Touchscreen Color	8.5" Touchscreen Color	8.5 Touchscreen Color	7" Touchscreen Color	10.1 Touchscreen Color	10.1 Touchscreen Color	10.1 Touchscreen Color	10.1 Touchscreen Color	10.1 Touchscreen Color	15.4 Touchscreen Color
Screen Formats	WVGA	WVGA	WVGA	WVGA	WVGA H-VGA	WVGA	WSVGA	WSVGA	WSVGA	WSVGA	WSVGA	Wide-XGA
Scan ² / Single Pass Duplex Scan Standard	Standard	Standard	Standard	Optional	—	Optional	Optional	Optional	Std on MX-4111/5111N	Std on MX-4111/5111N	Standard	Standard
PostScript [®]	Standard	Optional	Standard	Optional	Optional	Optional	Optional	Optional	Standard	Standard	Standard	Standard
Remote Front Panel	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Keyboard	N/A	Supported	Optional	Standard	Standard	Optional	Std on MX-3110N/3610N	Std on MX-3140N/3640N	Std on MX-4141/5141N	Std on MX-4111/5111N	Standard	Optional (integrated Keyboard)
Latest Sharp OSA Platform Version	V4.5 Lite	V3.5	V3.5	V3.5	V3.5	V4.5 Lite	V4.0	V4.5	V4.5	V4.0	V4.5	V4.5
Sharp OSA Technology Support												
General Features for Sharp OSA Applications (ACM or EAM)												
Custom User Interface - HTML Browser- based	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Custom User Interface - Forms-based	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp OSA Trial Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended SDK	ACM & EAM	—	—	—	—	—	ACM & EAM	ACM & EAM	ACM & EAM	ACM & EAM	ACM & EAM	ACM & EAM
Single Sign On to ACM Application	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single Sign On to MFP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Communication Module (ACM) MX-AMX2	Standard	Option	Standard	Standard	Option	Option	Standard on MX-3610N	Standard	Standard	Standard on MX-5111N	Standard	Standard
Scan API ³	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Image Preview	—	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Supported File Types for Sharp OSA Scan API	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁴	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁴	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁴	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁴	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁴	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁴
Supported Protocols for Scan File Transfer	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S
Print API ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy API ⁷	Yes	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	—
Fax Send and Receive API ^{7,12}	Yes	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	—
Document Filing API ⁷	Yes	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Copy/Fax/Doc Filing Image Preview ⁷	—	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes (except fax)
Access Card Support	Yes	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
External Accounting Module (EAM) MX-AMX3	Standard	Option	Standard	Option	Option	Option	Option	Standard	Standard	Option	Option	Standard
Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track total pages for copy, print, scan and fax jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track pages by page size and color for all jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Access Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limit number of pages	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offline Mode	Yes	—	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes
Access Card Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security Features (ACM or EAM)												
SSL-encrypted communications (HTTPS)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL-encrypted file delivery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL certificates	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Commercial Data Security Kit Support	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

¹Some functions require optional equipment

²Display size diagonally measured

³Not Available on MX-B402

⁴Original and Extended SDK

⁵Some file types require

⁶Extended SDK only

⁷Not available at launch

⁸Requires Enhanced Compression Kit

⁹Requires PS Expansion Kit

¹⁰Requires XPS Expansion Kit

¹¹Requires XPS Expansion Kit

¹²Requires Fax Expansion Kit and/or I-Fax Expansion Kit

¹³Requires PS Expansion Kit

¹⁴Requires XPS Expansion Kit

¹⁵Requires XPS Expansion Kit and/or I-Fax Expansion Kit

Sharp OSA® Platform Compatibility (Monochrome Products)

	B402 MX-B402SC	MX-M264N/ M314N/M354N	MX-M283N/M363N/ M453N/M503N	MX-M364N/ M464N/M564N	MX-M365N/ M465N/M565N	MX-M623N/ M753N	MX-M904/ M1054/M1204
Speed (PPM)	40 ppm	26/31/35 ppm	28/36/45/50 ppm	36/46/56 ppm	36/46/56 ppm	62/75 ppm	90/105/120 ppm
Function ¹	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax	Print/Copy/Scan/Fax
Maximum Paper Size (Print)	Legal	Ledger	Ledger	Ledger	Ledger	Ledger	12"x18"
LCD Display ²	8.5" Touchscreen Color	7.0" Touchscreen Color	8.5" Touchscreen Color	7.0" Touchscreen color	10.1" Touchscreen Color	8.5" Touchscreen Color	10.1" Touchscreen Color
Screen Formats	WVGA	WVGA	WVGA H-VGA	WSVGA	WSVGA	WVGA	WSVGA
Scan ³ Single Pass Duplex Scan Standard	Standard ³	Optional	Optional	Standard	Standard	Standard	Standard
PostScript [®]	Standard	Optional	Optional	Optional	Standard	Optional	Standard
Remote Front Panel	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Keyboard	Optional ³	Optional	Standard	Standard	Standard	Standard	Standard
Latest Sharp OSA Platform Version	V3.5	V3.5	V3.5	V4.1 Lite/ 4.5 Lite	V4.1/ 4.5	V3.5	V4.0/ 4.5
Sharp OSA Technology Support							
General Features for Sharp OSA Applications							
Custom User Interface - HTML Browser-based	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Custom User Interface - Forms- based	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sharp OSA Trial Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended SDK	—	—	—	ACM & EAM	ACM & EAM	—	ACM
Single Sign On to ACM Application	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Single Sign On to MFP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Communication Module (ACM) MX-AMX2	Standard onMX-B402SC	Option	Standard	Option	Standard	Standard	Standard
Scan API ⁵	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Image Preview	—	—	—	—	Yes	—	Yes
Supported File Types for Sharp OSA Scan API	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS	PDF, ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁶	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁶	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁶	PDF, ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁶	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF ⁶
Supported Protocols for Scan File Transfer	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S	HTTP/S, SMB, FTP/S
Print API ⁷	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy API ⁷	—	—	—	Yes	Yes	—	Yes
Fax Send and Receive API ^{7,12}	—	—	—	Yes	Yes	—	Yes
Document Filing API ¹	—	—	—	Yes	Yes	—	Yes
Copy/Fax/Doc Filing Image Preview ⁷	—	—	—	Yes	Yes	—	Yes
Access Card Support	—	—	—	Yes	Yes	—	Yes
External Accounting Module (EAM) MX-AMX3	Standard onMX-B402SC	Option	Option	Option	Standard	Standard	Option
Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track total pages for copy, print, scan and fax jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Track pages by page size and color for all jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Access Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limit number of pages	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offline Mode	—	—	—	Yes	Yes	—	Yes
Access Card Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security Features (ACM or EAM)							
SSL-encrypted communications (HTTPS)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL-encrypted file delivery	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL certificates	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Commercial Data Security Kit Support	Optional	Optional	Optional	Optional	Optional	Optional	Optional

¹Some functions require optional equipment

²Display size diagonally measured

³Not Available on MX-B402

⁴Requires Network Scanning Expansion Kit

⁵Original and Extended SDKs

⁶Some file types require optional equipment

⁷Extended SDK only

⁸Not available at Launch

⁹Requires Enhanced Compression Kit

¹⁰Requires PS Expansion Kit

¹¹Requires XPS Expansion Kit

¹²Requires Fax Expansion Kit and/or I-Fax Expansion Kit

Sharp OSA® Platform Functions

To enable the Sharp OSA, at least one of the following option kits should be installed on the MFP:

MX-AMX2	Application Communication Module (ACM)	Allows Sharp OSA applications to control jobs (Scan, Print, etc.)
MX-AMX3	External Accounting Module (EAM)	Allows Sharp OSA applications to control accounting features

Sharp OSA Platforms:

Platform	Sharp OSA (Standard) SDK	Extended Sharp OSA SDK (Sharp OSA 4.x, 4.x Lite)
Functions	<ul style="list-style-type: none"> · On-Premise Communication Support · UI Customization · Job Control <ul style="list-style-type: none"> - Scan - Print · Account Control · USB Device Control 	<ul style="list-style-type: none"> · On-Premise and Cloud Communication Support · UI Customization · Job Control <ul style="list-style-type: none"> - Scan - Print - Copy - Fax - Internet Fax - Document Filing · Document Preview (Not available on Lite version) · Account Control (Available for 4.1 & 4.5 platform) · USB Device Control

Server Requirements:

General	Server Requirements are specific to each integrated application. Sharp OSA technology is designed to work on any system supporting XML, but has only been tested with the systems listed below
Operating System & Web Server Requirements	Windows XP Professional 32bit Service Pack 3 + IIS5.1 Windows Server 2003 32bit Service Pack 2 + IIS6.0 Windows Vista Ultimate/Enterprise/Business 32bit/64bit Service Pack 2 + IIS7.0 Windows Server 2008 32bit/64bit Service Pack 2 + IIS7.5 Windows Server 2008 R2 64bit + IIS7.5 Windows 7 Ultimate/Enterprise/Professional 32bit/64bit + IIS7.5 Windows 8, 8.1 + IIS8.5 Windows Server 2012, Windows Server 2012 R2 + IIS8.5
Development Tools & Other Software Requirements	Visual Studio 2008 , Visual Studio 2010, Visual Studio 2012, Visual Studio 2013 (ASP.NET, C#), .NET Framework 3.5 , 4.0, 4.5 Any middleware required by server for Web Services processing.

Design and specifications are subject to change without notice.

This document is an overview of the Sharp OSA platform compability. For a more detailed Sharp OSA specification and compatibility list, please refer to Sharp OSA Device Dependency Information Reference which is available through the Sharp Developer Program. Sharp, Sharp OSA and all related trademarks are trademarks or registered trademarks of Sharp Corporation and/or its affiliated companies. Microsoft, Windows, Windows Vista, Active Directory and Outlook are registered trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respected holders.

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