

Sharp OSA[®] Platform Compatibility



SHARP[®]

Sharp OSA® Platform Compatibility (Color Products)

	MX-C301W	MX-C312	MX-C402SC	MX-2615N MX-3115N	MX-2610N MX-3110N MX-3610N	MX-2640N MX-3140N MX-3640N	MX-3050N MX-3550N MX-4050N MX-5050N MX-6050N	MX-3070N MX-3570N MX-4070N MX-5070N MX-6070N	MX-4110N MX-4111N MX-5110N MX-5111N	MX-4140N MX-4141N MX-5140N MX-5141N	MX-6240N MX-7040N	MX-6500N MX-7500N (without Firey)
Speed (PPM)	30 ppm/37 ppm (Scan)	31 ppm	40 ppm	26/31 ppm	26/31/36 ppm	26/31/36 ppm	30/35/40/50/60 ppm	30/35/40/50/60 ppm	41/41/51/51 ppm	41/41/51/51 ppm	62/70 ppm	65/75 ppm
Function*	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	12"x18"	12"x18"	12"x18"	12"x18"	12"x18"	12"x18"	12"x18"	12"x18"	13"x19"
LCD Display**	7" Touchscreen Color	7" 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	10.1" Touchscreen Color	10.1" Touchscreen Color	15.4" Touchscreen Color
Screen Size & Formats	800x480 WVGA	800x480 WVGA	800x480 WVGA	800x480 WVGA	1024x600 WSVGA	1024x600 WSVGA	1024x600 WSVGA	1024x600 WSVGA	1024x600 WSVGA	1024x600 WSVGA	1024x600 WSVGA	1280x800 Wide-XGA
Duplex Single Pass Scan Feeder	N/A	N/A	Standard	N/A	N/A	N/A	N/A	Standard	Std on MX-4111/5111N	Std on MX-4141/5141N	Standard	Standard
Reverse Single Pass Feeder	Standard	Standard	N/A	Standard	Standard	Standard	Standard	N/A	Std on MX-4110/5110N	Std on MX-4140/5140N	N/A	N/A
PostScript®	Standard	Optional	Standard	Optional	Optional	Optional	Standard	Standard	Standard	Standard	Standard	Standard
Remote Front Panel	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Keyboard	—	Supported	Optional	Optional	Std on MX-3110N/3610N	Std on MX-3140N/3640N	—	Standard	Std on MX-4111/5111N	Std on MX-4141/5141N	Standard	Standard
Latest Sharp OSA Platform Version	V4.5 Lite	V3.5	V3.5	V4.5 Lite	V4.0	V4.5	V5	V5	V4.0	V4.5	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 NetFront Browser NX	Yes NetFront Browser NX	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 (Web API)	ACM & EAM	—	—	ACM & EAM	ACM	ACM & EAM	ACM & EAM	ACM & EAM	ACM	ACM & EAM	ACM	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	Option	Option	Standard	Option	Standard	Standard on MX-5111N	Standard	Standard	Standard
Scan API*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Image Preview	—	—	—	—	Yes	Yes	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, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, DF, PDF/A-1a/A-1b ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	Searchable PDF, PDF, PDF/A-1a/A-1b, ENCRYPT_PDF, COMPACT PDF, DOCX, XLSX, PPTX, TIFF, JPEG, XPS, RTF, TXT	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF
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*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy API*	Yes	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fax Send and Receive API*	Yes	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
Document Filing API*	Yes	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OCR API	—	—	—	—	—	—	Yes	Yes	—	—	—	—
MS Office File Print*	—	—	—	—	—	—	Yes	Yes	Yes	—	—	—
Copy/Fax/Doc Filing Image Preview*	—	—	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes(except fax)
Access Card Support	Yes	—	—	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
External Accounting Module (EAM) MX-AMX3	Standard	Optional	Standard	Optional	Optional	Standard	Optional	Standard	Optional	Standard	Optional	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	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
Data Security Kit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

*Certain features and functions may require options.

**Display size diagonally measured

Sharp OSA® Platform Compatibility (Monochrome Products)

	MX-B402 MX-B402SC	MX-M264N MX-M314N MX-M354N	MX-M266N MX-M316N MX-M356N	MX-M283N MX-M363N MX-M453N MX-M503N	MX-M364N MX-M464N MX-M564N	MX-M365N MX-M465N MX-M565N	MX-M654N MX-M754N	MX-M623N MX-M753N	MX-M904 MX-M1054 MX-M1204	MX-M1055 MX-M1205
Speed (PPM)	40 ppm	26/31/35 ppm	26/31/35 ppm	28/36/45/50 ppm	36/46/56 ppm	36/46/56 ppm	65/75 ppm	62/75 ppm	90/105/120 ppm	105/120 ppm
Function*	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	Ledger	Ledger	Ledger	Ledger	Ledger	Ledger	Ledger	12"x18"	12"x18"
LCD Display**	8.5" Touchscreen Color	7.0" Touchscreen Color	7.0" Touchscreen Color	8.5" Touchscreen Color	7.0" Touchscreen Color	10.1" Touchscreen Color	10.1" Touchscreen Color	8.5" Touchscreen Color	10.1" Touchscreen Color	15.4" Touchscreen Color
Screen Size & Formats	800x480 WVGA	800x480 WVGA	800x480 WVGA	800x480 WVGA	800x480 WSVGA	1024x600 WSVGA	1024x600 WSVGA	800x480 WVGA	1024x600 WSVGA	1280x800 Wide-XGA
Duplex Single Pass Scan Feeder	Standard (MX-B402SC)	N/A	N/A	Standard (MX-M363N MX-M453N MX-M503N)	N/A	Standard	Standard	Standard	Standard	Standard
Reverse Single Pass Feeder	Standard (MX-B402)	Standard	Standard	Standard (MX-M283N)	Standard	N/A	N/A	N/A	N/A	N/A
PostScript®	Standard	Optional	Optional	Optional	Optional	Standard	Standard	Optional	Standard	Standard
Remote Front Panel	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Keyboard	N/A (MX-B402)	Optional	N/A	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Latest Sharp OSA Platform Version	V3.5	V3.5	V3.5	V3.5 / V4.1 Lite (Firmware Update)	4.5 Lite	V4.5	V4.5	V3.5 / V4.1 Lite (Firmware Update)	V4.5	V4.5
Sharp OSA Technology Support										
General Features for Sharp OSA Applications										
Custom User Interface - HTML Browser-based	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
Sharp OSA Trial Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended SDK	—	—	—	—	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
Single Sign On to MFP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application Communication Module (ACM) MX-AMX2	Standard on MX-B402SC	Option	Option	Standard	Option	Standard	Standard	Standard	Standard	Standard
Scan API	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Image Preview	—	—	—	—	—	Yes	Yes	—	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	PDF, ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF	PDF, PDF/A ENCRYPT_PDF TIFF, JPEG, XPS COMPACT PDF
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
Print API	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Copy API	—	—	—	—	Yes	Yes	Yes	—	Yes	Yes
Fax Send and Recieve API	—	—	—	—	Yes	Yes	Yes	—	Yes	Yes
Document Filing API	—	—	—	—	Yes	Yes	Yes	—	Yes	Yes
Copy/Fax/Doc Filing Image Preview	—	—	—	—	Yes	Yes	Yes	—	Yes	Yes
Access Card Support	—	—	—	—	Yes	Yes	Yes	—	Yes	Yes
External Accounting Module (EAM) MX-AMX3	Standard on MX-B402SC	Optional	Optional	Optional	Optional	Standard	Standard	Standard	Option	Standard
Authentication	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
Track pages by page size and color for all jobs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Access Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limit number of pages	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Offline Mode	—	—	—	—	Yes	Yes	Yes	—	Yes	Yes
Access Card Support	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
SSL-encrypted file delivery	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL certificates	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Data Security Kit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

* Certain features and functions may require options.

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, 5.0)
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 & 5.0 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 Server 2012, Windows Server 2012 R2 64bit + IIS8.0 Windows Server 2016 64bit + IIS10.0 Windows 7 Ultimate/Enterprise/Professional 32bit/64bit + IIS7.5 Windows 8, 8.1 + IIS8.0 Windows 10 + IIS10.0
Development Tools & Other Software Requirements	Visual Studio 2008, Visual Studio 2010, Visual Studio 2012, Visual Studio 2013, Visual Studio 2015 (ASP.NET, C#, VB.NET), .NET Framework 3.5, 4.0, 4.5.x, 4.6.x 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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