SHARP®

MX-4110N/4111N/5110N/5111N

Groundbreaking, full-color ledger-size document systems.

Sharp's new MX-4110N/4111N/5110N/5111N Color Series document systems combine the simplicity of touch-screen menu navigation with robust multi-tasking workflow features that can elevate your office productivity to new levels. A large 10.1" (diagonally measured) high-resolution tilting, touch-screen display offers groundbreaking real-time image preview with intuitive flick and tap editing to help ensure your documents are produced accurately and without waste. The new MX Color Series also offers many advanced features such as a fully customizable home screen, dynamic action menus that provide feature-specific guidance, and an available full-size retractable keyboard for easy data entry. Plus, with Sharp's enhanced second-generation micro-fine toner technology and true 1200 x 1200 dpi print resolution, the new MX Color Series can help your business produce professional looking color documents in-house with breathtaking image quality that is also economical. The new MX-4110N/4111N/5110N/5111N Color Series has been built on the latest Sharp OSA® Development Platform, making integration with network applications and cloud services easier than ever. And, with Sharp's Industry leading security platform with standard 256 bit data encryption and overwrite protection, you can rest assured that your intellectual property is well protected.

Drag and drop touch control for intuitive operation!

Advanced features plus multi-functional capability allow you to meet tomorrow's document needs today.

- Large 10.1" **high resolution touch-screen** display with **tilt view**

- **Real-time image preview** feature with flick, tap and slide menu navigation

- Fully **customizable home screen** feature enables users to add custom **backgrounds** and **custom icons**, change the display language and more

- **Action menus** provide users with **feature-specific guidance**

- Quickly scan both sides of a document at once with the standard **150-sheet duplex single pass feeder** (DSPF) on the MX-4111N and MX-5111N; a **100-sheet reversing single pass feeder** (RSPF) is standard on the MX-4110N and MX-5110N

- Full-size, **retractable keyboard** allows quick, easy and accurate data entry (standard on the MX-4111N/5111N)

- **Web browser** feature on the MX-5111N allows easy access to web-based information

- **1200 x 1200 dpi printing** provides clear, crisp images even on jobs with fine detail

- Industry leading **ImageSEND™** function scans documents to USB devices, network folders, e-mail and more

- Scans documents at up to **75 images per minute** (MX-4111N/5111N) in both Black and Color

- Network ready PCL® 6/Postscript® 3™ **printing system** with **direct print** function and available **XPS** option

- Robust 86 GB **document filing system** with thumbnail view and image preview features for easy identification

- Supports the latest **Sharp OSA® Development Platform**, enabling businesses to easily integrate with **network applications and cloud services**

- Supports Sharp's **award-winning** security platform with **standard 256 bit data encryption** and up to 7 times **overwrite protection**

- **Energy efficient belt fusing system** offers low power consumption, fast warm up and enhanced print quality

Innovation & Navigation

MX-4110N/4111N/5110N/5111N Specifications

Main Specifications

MX-4110N/4111N MX-5110N/5111N	Base models include multitasking controller, 100 sheet RSPF (MX-4110N/5110)/150 sheet DSPF (MX-4111N/5111N), PCL6/5c/ PS3 network printing/scanning, auto duplexing, 2 x 500-sheet paper drawers, 100-sheet bypass tray. Developer is included.
Type	Desktop, color multi-function digital document system
Display	10.1" (diagonally measured) color dot matrix high-resolution touch panel tilting display. 1024 x 600 dots (W-SVGA)
Functions	Copy, print, network print, network scan, document filing and fax[1]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Belt type fusing/white LED exposure
Originals	Sheets and bound documents
Max Original Size	11" x 17"
Copy Size	Min. 5½" x 8½", Max. 11" x 17" + 12" x 18"
Copy Speed	41/51 ppm B&W/Color (8½" x 11")
Multiple Copy	Max. 999 copies

First Copy Time (Seconds)[2]

	MX-4110N		MX-4111N		MX-5110N		MX-5111N	
	Black	Color	Black	Color	Black	Color	Black	Color
Platen Glass	4.7	6.7	4.7	6.7	4.1	5.7	4.1	5.7
Doc. Feeder	7.7	9.8	7.4	10.3	7.0	8.8	6.7	9.2

Warm Up Time	34 seconds or less[2]
Magnification	25% to 400% in 1% increments (with document feeder 25%-200%)
Original Feed	MX-4110/5110N: 100-sheet RSPF/MX-4111N/5111N: 150-sheet DSPF
Scan Speed	RSPF Copy/Scan: Up to 51 IPM2[2] DSPF Copy: Up to 75 IPM (B&W)/51 IPM (Color); DSPF Scan: Up to 75 IPM[2]
Original Sizes	5½" x 8½", 8½" x 11", 8½" x 11" R, 8½" x 14", 11" x 17"
Paper Feed System	Standard: (2) 500-sheet paper drawer (letter/legal/ledger/statement size) and 100-sheet bypass tray (letter/legal/ledger/statement/envelope size). Optional: Single or double drawer paper deck (500 or 1000 sheets), letter/legal/ledger/statement size.
Paper Types	Paper drawers: 16 lb. bond -110 lb. index. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper. Bypass Tray: 16-28 lb. bond (plain paper), 13-16 lb. bond (thin paper), 110-140 lb. index (heavy paper), 20-24 lb. bond (Monarch/Com-10 envelope), tab paper (letter). Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper and OHP film.
Duplexing	Standard automatic duplex copying and printing
CPU	Up to 1250 MHz Multi-Processor Design
Interface	RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 (2 host ports, front and rear), USB 2.0 (1 device port, rear)
Memory	Standard 2 GB Copy/Scan; 1 GB Printer Memory
Hard Disk Drive	160 GB; 86 GB for document filing
Copy Resolution	Scan: B&W/color: 600 x 600 dpi; Copy Output: B&W/color: 600 x 600 dpi
Color Modes	Auto Color Control (ACS), Full Color Mode, Monochrome (B/W)
Exposure Control	Modes: Automatic Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Color Document. Settings: Auto or 9 step manual
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once Print-Many, electronic sorting, offset-stacking, Auto Color Sensing (ACS), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), image preview, image edit, auto tray switching, rotation copy, reserve copy, tandem copy, book copy, margin shift, tab-paper insertion, edge erase, center erase, book divide, dual page copy, cover pages, insert pages, OHP insertion, job build, card shot, blank page skip, mirror image, black-white reversal, centering, proof copy, 2-in-1/4-in-1/8-in-1, pamphlet, watermark custom image, job programs.
Account Control	Up to 1000 users. Supports user-number authentication (on device), login name/password (on device) or login name/password (on device via LDAP server) for Copy, Print, Scan, Fax and document management.
Output Tray Capacity	Main output tray (top) 400 sheets (face down); optional eject tray (right 1 side) 100 sheets (face down)
Firmware Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Management)
Configuration Method	Web-based management with user/administrator level login, cloning (1 to N) with SRDM and remote front panel access
Service/Functions	Remote front panel, remote access to service logs and click counts
Accessibility Features	Tilt Front Panel, Adjustment of Key Touch-Send and Speed, Concave Key, Document Feeder Free Stop, Job Programs, Remote Front Panel, Universal Grip for Paper Trays, and Disable Screen Timeout
Environmental Standards	International Energy Star Program Ver. 1.1, Law on Promoting Green Purchasing. European RoHS (Restriction of Hazardous Substances)
Power	AC 100-127 VAC, 60 HZ, 16 Amps
Power Consumption	Maximum: 1440 W or less
Weight	MX-4110N/4111N: Approx. 276.5 lbs./MX-5110N/5111N: 278 lbs.
Approx. Dimensions	25½" (w) x 30" (d) x 38" (h)

Network Printing System

PDL	Standard PCL® 6/PCL5c compatible, PostScript® 3™ compatible, optional XPS
Resolution	1200 x 1200 dpi
Print Speed	41/51 pages per minute (8½" x 11")
Print Drivers	Windows 2000, Windows Server® 2003-2008, Windows XP, Windows XP x64, Windows Server x64, Windows Vista®, Windows Vista® x64, Windows 7, MAC OS®, 9.2.2, OSX (including 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.1), all MAC PPD.
Features	Auto configuration, continuous printing, electronic sorting, offset stacking, N-up printing, duplex printing, transparency inserts, margin shift, image rotation, different cover page, poster print, job bypass print, job retention, confidential print, proof print, user authentication, image stamp and watermarks. Additional features: Multiple pamphlet, network tandem print, carbon copy print mode, different cover page/last page/other page, form overlay, tab paper settings, tab printing, chapter inserts, page Interleave and bar code font printing[1]
Direct Printing	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, PostScript and (optional) XPS[1] Methods: FTP, Web page, E-mail and USB memory
Resident Fonts	80 outline fonts (PCL), 136 fonts (PS)
Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0
Operating Systems	Windows Server 2003-2008, Windows 2000/XP, Windows Vista, Windows 7, MAC OS 9-9.2.2, MAC OSX 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.5, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, Unix®, Linux® and Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services.[1]
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, SMTP, POP3, LDAP, 802.1x for Windows and Unix. LPD and LPR for Unix. IPX/SPX® for Novell environments. EtherTalk® and NetBEUI. AppleTalk® for Macintosh® environments.[1]
Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter
Network Security	IP/MAC address filtering, protocol filtering, port management, user authentication and document administration.[1]
Security Standards	IEEE-2600™-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)[1]

Network Scanning System

Scan Modes	Standard: Color, monochrome, grayscale
Max Original Size	11" x 17"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, XPS Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, XPS Internet Fax: TIFF-FX, FIFF-F, TIFF-S[1]
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
One-touch Dest.	Up to 2000 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs	Up to 100
Network Protocols	TCP/IP and SSL (includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x.
Network Security	E-mail server user authentication for LDAP and Active Directory
Software	Sharpdesk® desktop pesonal document management software (1 user license included)

B&W Super G3 Fax Kit (option)

Transmission	Super G3, G3
Modem Speed	33.6 KBPS[3]
Compression	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max. Resolution	400 dpi
Transmit Speed	Approx. 2 seconds with Super G3/JBIG[4]
Auto Dialing	Up to 2000 (combined scan destinations)
Group Dial	Up to 500 destinations
Inbound Fax	Routing: Forwards received fax data to E-mail
Long Length Originals	Up to 31½" (for transmission)
Programs	48 (combined)
Memory	Shared
Halftone	256 levels

Saddle Stitch Finisher (MX-FN10: option)

Type	Console finisher with dual exit trays (mounts on left side of host machine)
Output Trays	Upper tray: Offset stack tray Lower tray: Book tray for saddle stitch
Output Capacity	1000 sheets (letter/statement size) or 500 sheets (legal, ledger, letter)
Stapling	Up to 50 sheets (letter/statement) or 25 sheets (legal, ledger or mixed)
Output Delivery	Face down
Stapling Media	Plain paper, letter/legal/ledger size or mixed
Stapling Positions	1 front, 1 rear, or both
Saddle Stitch Function	Center stitch/center folding (2 staples) letter/legal/ledger paper sizes
Saddle Stitch Max. Sets	Up to 10 sets (11-15 sheets per set)/15 sets (6-10 sheets per set)/ 20 sets (1-5 sheets per set)
Power Cons.	70 W or less (MX-FN10)/138 W or less (MX-FN18)
Hole Punching	Optional three-hole punch unit MX-PNX5B (MX-FN10)/MX-PNX6B (MX-FN18)
Weight	Approx.: 88½ lbs. (MX-FN10)/Approx.: 161 lbs. (MX-FN18)
Dimensions	26" (w) x 25" (d) x 39" (h) (MX-FN10 with tray extended)

4K Stacking Finisher (MX-FN11: option)

Type	Console stacking finisher with dual exit trays (mounts on left side of host machine)
Output Trays	Fixed position upper tray and offset stacking lower tray
Output Capacity	Upper tray: 1,550 sheets (letter size, non-stapled) Lower tray: 2,450 sheets (letter size, non-stapled)
Stapling	Three position; Up to 50 sheets (letter/statement)
Power Consumption	Approx. 140 W
Hole Punching	Optional three-hole punch unit MX-PNX6B
Weight Approx	97 lbs.
Dimensions	20½" (w) x 25½" (d) x 43½" (h) (MX-FN11 with tray extended)

Optional Equipment

MX-DE15	Stand/1 x 500 Sheet Paper Drawer
MX-DE16	Stand/2 x 500 Sheet Paper Drawer
MX-51ABD	Rolling Cabinet Base
MX-LC11	Large Capacity Tray (requires MX-DE15 or MX-DE16)
MX-FNX9	Inner Finisher
MX-PNX1B	3 Hole Punch Unit (requires MX-FNX9)
MX-FN10	1K Saddle Stitch Finisher
MX-PNX5B	3 Hole Punch Unit (requires MX-FN10)
MX-FN11	4K Stacking Finisher
MX-FN18	4K Saddle Stitch Finisher
MX-RB11	Paper Pass Unit (requires MX-FN10/11/18)
MX-PNX6B	3 Hole Punch Unit (requires MX-FN11/18)
MX-SCX1	Staple Cartridge (5,000 staples) (requires MX-FNX9/FN10)
AR-SC2	Staple Cartridge (5,000 staples) (requires MX-FN11/18)
AR-SC3	Staple Cartridge (2,000 staples) (requires MX-FN10/18)
MX-TRX2	Right Exit Tray
MX-TU13	Center Exit Tray
MX-PUX1	XPS Expansion Kit (Requires MX-SHP1GBCR3)
MX-SHP1GBCR3	1GB Memory Upgrade (Required for MX-PUX1)
MX-FX11	Fax Expansion Kit
MX-FWX1	Internet Fax Kit
MX-PF10	Bar Code Font Kit
AR-SU1	Stamp Unit (Requires AR-SV1 Stamp Cartridge)
AR-SV1	Stamp Cartridge
MX-KB11	Keyboard (Standard on the MX-4111N/5111N)
MX-EB11	Enhanced Compression Kit
MX-EB12	Mirror Expansion Kit
MX-AMX1	Application Integration Module
MX-AMX2	Application Communication Module (standard on MX-5111N)
MX-AMX3	External Accounting Module
MX-FR33U	Commercial Data Security Kit (not available at time of launch)
MX-EC50	CAC Reader (Requires Data Security Kit)
DVENDPS	Generic Vendor Interface Kit

Supplies

MX-51NTBA	Black Toner Cartridge
MX-51NTCA	Cyan Toner Cartridge
MX-51NTMA	Magenta Toner Cartridge
MX-51NTYA	Yellow Toner Cartridge
MX-51NVBA	Black Developer
MX-51NVSA	Cyan/Magenta/Yellow Developer
MX-31NRSA	Drum

[1] Some features require optional equipment. See your local dealer.
[2] May vary depending on product configuration, machine settings and operating and/or environmental conditions.
[3] Actual transmission time will vary based on line conditions.
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.

Design and specifications subject to change without notice. Sharp, Sharp OSA, Sharpdesk, My Sharp, and all related trademarks are trademarks or registered trademarks of Sharp Corporation and/or its affiliated companies. Windows, Windows NT, Windows Server and Windows Vista are trademarks or registered trademarks of Microsoft Corporation. All other trademarks are the property of their respective owners.