

ENHANCED PRODUCTIVITY AT YOUR FINGERTIPS



Precision engineered to help increase workflow efficiency and provide exceptional image quality, Sharp's MX-4100N/4101N/5001N color document systems take you to the next level in MFP performance and productivity. A large, **high resolution touch-screen color display** with **graphical menu navigation** and a **full-size retractable keyboard** to simplify data entry are just two of the many advanced features offered by these new models. The powerful 800 MHz true multi-tasking controller enables MX-4100N/4101N/5001N users to save time and money while producing professional color documents in-house.



SHARP'S INNOVATIVE FEATURES

- Large, **high resolution touch-screen** color display with graphical navigation
- Advanced second generation micro-fine toner technology offers crisp, **high quality images** page after page
- **Pantone® licensing** offers unprecedented **levels of color fidelity** to the PANTONE MATCHING SYSTEM®
- Standard 150-sheet duplex single pass document feeder with color **Scan²™** is available with the MX-4101N and MX-5001N
- **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
- Network ready PCL®6/PCL5c **printing system** with **direct print** function and available Postscript® 3™ and Windows® XPS options
- Supports the Sharp OSA development platform, enabling businesses to streamline document workflow*
- **Toner Recycling Program**—Sharp offers customers a toner recycling program for all Copier and MFP products. Sharp provides customers a prepaid shipping label for their return to our facility. To learn more, visit www.sharppusa.com/recycle.

Built-in Retractable Keyboard for Added Convenience

For workgroups that perform a significant amount of data entry, the MX-4100N/ 4101N/ 5001N color workgroup document systems include a standard retractable keyboard. Designed to simplify e-mail address and subject line entries, as well as repetitive scanning tasks and user authentication, the built-in keyboard offers users a familiar ergonomic interface.

Designed with a Strong Commitment to Protecting the Environment

The MX-4100N/4101N/5001N document systems utilize Sharp's second generation micro-fine toner technology, which offers a lower consumption rate than conventional toners. This also results in less packaging material and longer replacement intervals. Additionally, all Sharp supplies are packaged using fully recyclable materials.

The Flexibility and Performance You Need

With a 8.5" (diagonally measured) **high-resolution touch-screen color display** and a powerful 800 MHz **multi-tasking controller**, the MX-4100N/4101N/5001N color workgroup document systems can help elevate your office productivity to the next level.

Reliability Your Business Can Depend On

Sharp's MX color workgroup document systems deliver professional performance and optimal productivity to satisfy your daily production needs. Copy/print **speeds up to 41 ppm and 50 ppm** respectively (in both color or B&W) help you to meet project deadlines with time to spare. The flexible paper handling system can feed up to 110 lb index stock through the paper trays and up to 140 lb index through the bypass tray. With available on-line paper capacity of up to 5,600 sheets, the MX-4100N/4101N/5001N is ready when you are.

24/7 Training with My Sharp

Managing all of the advanced features of your Sharp product is simple and easy. Ask your Authorized Sharp Dealer about **My Sharp™**. This dedicated customer training website is customized to your MX-4100N/4101N/5001N and allows you to locate resources and find information specific to your configuration, truly helping you maximize your investment.



MX-4100N/4101N/5001N SPECIFICATIONS

Main Specifications

MX-4100N/4101N/5001N	Includes multi-tasking controller, 80 GB HDD with document filing system, PCL6 network printing/scanning, 100-sheet RSFP (MX-4100N), 150-sheet DSFP (MX-4101N/5001N) auto-duplex, two 500-sheet paper drawers. 100-sheet bypass. Developer is included in the box.					
Type	Color multi-function digital document system					
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/Heat Roller fusing/Xenon lamp exposure					
Originals	Sheets and bound documents					
Max Original Size	11" x 17"					
Copy Size	Min. 5 1/2" x 8 1/2", Max. 11" x 17" (12" x 18" bypass tray)					
Copy Speed	MX-4100N/4101N: 41 ppm B&W/Color (8 1/2" x 11") MX-5001N 50 ppm B&W/Color (8 1/2" x 11")					
Multiple Copy	Max. 999 copies					
First Copy Time (Seconds)²		MX-4100N		MX-4101N		MX-5001N
		Black	Color	Black	Color	Black
	Platen Glass	4.7	6.7	4.7	6.7	4.1
	Doc. Feeder	10.1	13.5	9.5	15.2	8.8
Warm Up Time	MX-4100N/4101N: 120 sec. or less; MX-5001N: 140 sec. or less ³					
Magnification	25% to 400% in 1% increments (RSFP/DSFP 25%-200%)					
Original Feed	MX-4100N: 100-sheet RSFP with original size detection MX-4101N/5001N: 150-sheet DSFP with original size detection					
Scan Speed	RSFP Copy: Up to 50 IPM (Black) @ 600 x 400 dpi; 36 IPM (color) @ 600 x 600 dpi / DSFP Copy: Up to 70 IPM (black) @600 x 300 dpi; 41 IPM (color) @ 600 x 600 dpi. RSFP Scan: Up to 50 IPM @ 200 x 200 dpi / DSFP Scan: Up to 70 IPM @ 200 x 200 dpi.					
Original Sizes	5 1/2" x 8 1/2", 8 1/2" x 11", 8 1/2" x 11" R, 8 1/2" x 14", 11" x 17" (13-32 lb. bond)					
Paper Feed System	Standard: (2) 500-sheet drawers (letter/legal/ledger/statement) and 100-sheet bypass tray (letter/legal/ledger/statement/envelope). Optional: (1) 500-sheet paper drawer (letter/legal/ledger/statement size) or (2) 500-sheet paper drawers (letter/legal/ledger/statement size) and 3500-sheet large capacity tray (letter size).					
Paper Types	Paper drawers: 16 lb. bond -110 lb. index, large capacity tray: 16-28 lb. bond. 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 size only). Other types include label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper and OHP film.					
Duplexing	Standard automatic duplex copying and printing					
CPU	Power QUICIII-MPC8533E (800MHz)					
Interface	RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 (host port), USB 2.0 (device port)					
Memory	Standard 512 MB (copy); 1 GB (printer/network scanning) memory					
Hard Disk Drive	80 GB; 38GB for document filing system and electronic sorting					
Copy Resolution	Scan: B&W/color: 600 DPI; Copy Output: B&W/color: 600 DPI					
Color modes	Auto Color Control (ACS), Full Color, Mono, 2 Color, Single Color					
Exposure Control	Modes: Automatic Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Light Original, 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), auto tray switching, rotation copy, reserve copy, tandem copy, book copy, margin shift, tab-paper insertion, edge erase, center erase, dual page copy, cover pages, insert pages, OHP insertion, job build, card shot, multi-page enlargement, reverse image, black-white reversal, centering, proof copy, 2-in-1/4-in-1, pamphlet, photo repeat, document filing, account management, job programs, date/character/page stamp (color).					
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) 500 sheets (face down); optional exit tray (right 1 side) 100 sheets (face down)					
Firmware	Flash ROM with local (USB) and network update capability.					
Configuration	Web-based management system with user/administrator level login security, cloning (1 to N) with PAU and remote front panel access					
Method	Remote front panel access, remote access to service logs and click counts					
Power	AC 100-127 VAC, 60 HZ, 12 Amps/16 Amps (MX-5001N)					
Power consumption	MX-5001N: Maximum 1920 W or less MX-4100N/4101N: Maximum 1524W or less					
Weight	MX-5001N/4101N: Approx. 283 lbs. (DSFP Base Model) MX-4100N: Approx. 263 lbs. (RSFP Base Model)					
Dimensions	MX-4100N: 25 1/2" x 27 1/2" x 37 1/2" MX-5001N/4101N: 25 1/2" x 27 1/2" x 38"					

¹ Some features require optional equipment.

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.



Network Printing System (standard)

PDL	PCL® 6/PCL5c compatible, optional Postscript® 3™, optional XPS
Resolution	1200 dpi x 1200 dpi
Print Speed	41/50 pages per minute (8 1/2" x 11")
Print Drivers	Windows® 98, Windows Me, Windows NT® 4 (with SP5 or later), Windows 2000, Windows Server® 2003, Windows Server 2008, Windows XP, Windows XP x64, Windows Server x64, Windows Vista™, Windows Vista x64, MAC OS®, 9.2.2, OSX (including 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.1), all MAC PPD
Features	Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/last page, transparency inserts, tab printing, carbon copy print mode, fit-to-page, poster print, margin shift, mirror image, watermarks, overlay, confidential print, confidential batch print, print hold, proof print, bypass printing, job priority printing, print job control, tandem printing and direct printing (Note: some features not available on certain print drivers).
Direct Printing	File Types: TIFF, JPEG, PCL, PRL, TXT, PDF, Encrypted PDF, High Compression PDF, Postscript and XPS ¹ Methods: FTP, Web page, E-mail and USB memory
Resident Fonts	80 outline fonts
Interface	RJ-45 Ethernet 10/100/1000 Base-T
Operating Systems	Windows 98/ME, NT 4.0, XP, 2003/2008 Server, Vista, Novell® Netware® 3x, 4x, 5x, MAC OS 9, OSX (including 10.5.1), Sun® OS 4.1x, Solaris® 2x, Unix®, Linux® and Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services.
Network Protocols	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, 802.1x for Windows and Unix. LPD and LPR for UNIX. IPX/SPX® (Novell environments). EtherTalk® and NetBEUI. AppleTalk® for Macintosh® environments.
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.
Security Standards	IEEE-2600-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA) ¹

Network Scanning System (standard)

Max Original Size	11" x 17"
Optical Resolution	600 DPI
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
Scan Modes	Color, monochrome, grayscale
Image Formats	Monochrome: TIFF, PDF, Encrypted PDF, XPS Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, High Compression PDF, XPS ¹
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MF/MMR (option)
Scan Destinations	E-mail, Desktop, FTP, Folder (SMB), USB, Internet/G3 fax (options)
One-touch Destinations	Up to 999 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs in Memory	Up to 94
Network Protocols	TCP/IP and SSL (includes HTTP SMTP, LDAP, FTP, POP3), SMB, ESMT, 802.1x
Network Security	E-mail server user authentication for LDAP and Active Directory
Software	Sharpdesk® desktop document management software (1 user license)

B&W Super G3 Fax Kit (option)

Transmission mode	Super G3, G3
Modem Speed	33.6 KBPS ¹
Compression Methods	JBIG, MMR, MR, MH
Scanning Method	Sheet fed simplex or duplex or book
Max. Transmit Resolution	400 DPI
Transmit Speed	Approximately 2 Seconds with Super G3/JBIG ⁴
Auto Dialing	Up to 999 (combined scan destinations)
Group	Up to 500
Dial/Destinations	
Inbound Fax	Forwards received fax data to E-mail
Routing	
Long length Originals	Up to 31.5" (for transmission)
Programs	48 (combined)
Memory	8 (exclusive)
Halftone	256 levels
Features	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, anti-junk fax reception, automatically staple received faxes, secure fax release, out of paper memory reception, auto redial, 2-in-1 reception, duplex reception transaction reports, activity reports and PC fax.

Inner Finisher (option)

Type	Built-in finisher (hole-punch unit option)
Output Capacity	500 sheets (letter/statement) or 250 sheets (ledger/legal size)
Stapling Media	Plain paper, (letter, legal, or ledger size)
Stapling Positions	1 front, 1 rear, or both
Power Source	Supplied from main unit
Stapling	Up to 50 sheets (letter size) or 30 sheets (legal, ledger or mixed)
Stapled Sets	30 bundles or 500 sheets (letter or statement size) or 30 bundles or 250 sheets (legal or ledger size)
Hole Punching	Optional hole punch unit MX-PNX1B (2 holes/3 holes)
Weight	Approx. 28.7 lbs.
Dimensions	25.2" (w) x 28.94" (d) x 8.1" (h) (includes extended tray)

Saddle Stitch Finisher (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 or letter-R size)
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	Up to 10 sets (11-15 sheets per set)/15 sets (6-10 sheets per set)/20 sets (1-5 sheets per set)
Max. Sets	
Power Consumption	70 W or less
Hole Punching	Optional hole punch unit MX-PNX5B (2 holes/3 holes)
Weight	Approx. 88.18 lbs.
Dimensions	25.83" (w) x 24.84" (d) x 38.9" (h) (with tray extended)

4K Stacking Finisher

Type	Console stacking finisher with dual exit trays
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 size)
Hole punching	Optional punch unit MX-PNX6B (2 hole/3 hole)
Power Consumption	Approx: 140W
Weight	Approx: 97 lbs.
Dimensions	Approx: 20 1/2" x 25 1/2" x 43 1/2"

Optional Equipment

MX-DEX8	Stand/1 x 500 Sheet Paper Drawer
MX-DEX9	Stand/2 x 500 Sheet Paper Drawer
MX-50ABD	Rolling Cabinet Base
MX-LCX1	Large Capacity Tray (requires MX-DEX8 or MX-DEX9)
MX-FNX9	Inner Finisher
MX-FN10	Saddle Stitch Finisher
MX-FN11	4K Stacking Finisher
MX-RBX3	Paper Pass Unit (Required for MX-FN10 or MX-FN11)
MX-PNX1B	3 Hole Punch Unit (for Inner Finisher)
MX-PNX5B	3 Hole Punch (for Saddle Stitch Finisher)
MX-PNX6B	Punch Unit (for 4K Stacking Finisher)
MX-TRX2	Exit Tray Unit
MX-PKX1	Postscript 3 kit
MX-PUX1	XPS Expansion Kit (Requires MX-SHP1GBXPS)
MX-SHP1GBXPS	1GB Memory Upgrade (Required for MX-PUX1)
MX-EBX3	Enhanced Scanner Compression Kit
MX-FWX1	Internet Fax kit
MX-FXJ2	Fax Expansion Kit
AR-PF1	Bar Code Font kit
MX-AMX1	Application Integration Module
MX-AMX2	Application Communication Module
MX-AMX3	External Accounting Module
MX-FR11U	Data Security Kit (commercial version)

Supplies

MX-50NTBA	Black Toner Cartridge
MX-31NTCA	Cyan Toner Cartridge
MX-31NTMA	Magenta Toner Cartridge
MX-31NTYA	Yellow Toner Cartridge
MX-31NVBA	Black Developer
MX-31NVSA	Cyan/Magenta/Yellow Developer
MX-31NRSA	Drum

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