

# SHARP®

## MX-3501N MX-4501N

### Workgroup Color Document Systems

With uncompromising quality and outstanding reliability, Sharp's new MX-3501N and MX-4501N deliver all the functionality today's growing businesses need, along with the added benefits of high-quality, cost-effective color. These versatile, scalable systems can easily copy, print, scan, fax, email or store your files with great efficiency. But that's only the beginning. The new MX-3501N and MX-4501N both offer Sharp's newest innovation, **Open Systems Architecture** (Sharp OSA). Designed to boost productivity, Sharp OSA gives you one-touch access to your business applications right from the LCD display, offering a new realm of control and convenience. With advanced web-based management and easy-to-use tools, monitoring and containing costs is effortless, so keeping an eye on the bottom line is never an issue. And for unparalleled security, Sharp's new MX-3501N and MX-4501N can protect your data by securing walk-up, scan and network access. With several layers of device protection, Sharp can help keep your business ahead of regulatory compliance.



#### Sharp's Newest Features

- Extraordinary 800 MHz **multi-tasking color** document system with copy, print and network scanning standard
- Versatile application integration with Sharp's **Open Systems Architecture** enables users to access network applications right from the LCD panel
- Sharp's outstanding **multi-level document and network security\***
- Standard 150-sheet duplex single pass document feeder with **Color Scan<sup>2</sup>**
- Large **5,600-sheet** maximum on-board paper supply (1100 standard)
- Standard **80 GB HDD** allows greater job queuing and document filing
- **Customizable**, easy-to-navigate touch-screen display
- One-touch **ImageSEND™** facilitates scans to USB devices, network folders, email and more
- Space-saving **Inner Finisher** or **Saddle-stitch Finisher** and hole punch options

#### The total package

With impressive speeds at 35 ppm in both B&W and Color, the MX-3501N can easily keep up with the demands of busy offices and workgroups. The faster MX-4501N delivers a speedy 45 ppm in B&W and 35 ppm in color. With an incredible **5,600-sheet maximum paper capacity** and standard **150-sheet duplex single pass document feeder**, these powerful performers can handle even the largest projects with ease. Trayless duplexing, electronic sorting and integrated offset stacking make organization and distribution effortless. Front-loading paper drawers and easy-to-change toner cartridges simplify maintenance. And if that's not enough, new **long-life consumables** and supplies minimize service calls, resulting in lower operating costs.

#### Color Scan<sup>2</sup> technology delivers twice the productivity

Speed up your workflow with Sharp's innovative **Color Scan<sup>2</sup> technology**. With simultaneous scanning of 2-sided documents, the MX-3501N and MX-4501N can easily process large-scale projects with incredible efficiency. And since the document is scanned only once, paper misfeeds are reduced, resulting in greater productivity and reliability.

#### Innovative document filing

For even more efficiency, the MX-3501N and MX-4501N offer convenient **Document Filing**. Businesses can now maintain consistency by standardizing and storing frequently used files such as fax cover sheets, distribution forms, and more. With **30 GB of storage capacity**, everyone can retrieve and share documents. Need to restrict access to select users? Not a problem. With private storage features, PIN-code access, and **My Folders**, you can easily store sensitive documents securely. And with Sharp's new **Quick Folders**, you can temporarily store documents with fast, one-touch simplicity. Plus, an advanced backup system ensures that your files are safe and secure.

#### Best-in-class image quality

Sharpen your business communications with crisp, clear images and dazzling color. Create dynamic proposals, presentations and newsletters that get noticed and make a statement. Sharp's **micro-fine toner** technology and **Image Stabilizing System** ensure color accuracy from the first page to the last—so your documents always look good.



\*Security Kit not available at time of launch

# MX-3501N/MX-4501N SPECIFICATIONS

## Main Specifications

<b>Base Models</b>	Color multifunction digital document system; 800 MHz multi-tasking controller 80 GB HDD with document filing, PCL5c/PCL6 network printing/ scanning, Scan <sup>2</sup> single-pass feeder, auto duplex, two 500-sheet paper drawers and 100-sheet bypass
<b>Functions</b>	Copy, print, network print, network scan, document filing, Sharpdesk and fax option <sup>1</sup>
<b>Copy System</b>	Laser, Dry Transfer, Organic Photo Conductor Ultra-Fine Toners/Developers, Magnetic & Heat Process
<b>Copy Size</b>	Input: Min. 5 1/2" x 8 1/2"; Max. 11" x 17" Output: Envelopes, Letter, Letter-R, Legal, Ledger & 12" x 18"
<b>Copy Speed</b>	MX-3501N: 35 ppm B&W / 35 ppm color MX-4501N: 45 ppm B&W / 35 ppm color (Based on letter size original using copy tray 1)
<b>First Copy Time</b>	Platen glass: 4.1 seconds MX-4501 (B&W); 4.7 seconds MX-3501 (B&W); 6.9 seconds (color); DSPF: 7.3 seconds (B&W); 13.1 seconds (color); Based on letter size original using copy tray 1 with laser-unit motor running
<b>Warm Up Time</b>	240 Seconds or less
<b>Copy Data</b>	25% to 400% Zoom (1% increments), 25% to 200% (DSPF); 9 R/E presets; 999 Continuous Copy
<b>Scanning</b>	Up to 60 pages/minute with 2-sided B/W originals at standard resolution (includes Fax & Internet-Fax) Up to 35 pages/minute with Color Copy or Scan originals at standard resolution
<b>Original Feeder</b>	Duplex Single Pass; 150-sheet capacity (using 20 lb. bond) Sizes: 5 1/2" x 8 1/2", 8 1/2" x 11", 8 1/2" x 11", 8 1/2" x 14", 11" x 17" (13-34 lb. bond)
<b>Paper Feed</b>	Standard: Two 500-sheet paper drawers (letter, legal, ledger, statement size) Optional: One 500-sheet paper drawer (letter, legal, ledger, statement size) or two 500-sheet paper drawers (letter, legal, ledger, statement size) and 3,500-sheet large capacity tray (letter size). See authorized dealer for configurations.
<b>Paper Types</b>	Paper drawers and large capacity tray: 16-28 lb. bond paper. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper.
<b>Bypass Tray</b>	Capacity: 100 sheets (letter, legal, ledger, statement, 12"x18" & envelope size) Categories: Plain paper (16-28 lb. bond 60-105 gsm), Heavy paper (28-56 lb. bond / 90-110 Index / 106-209 gsm), Envelope (20-24 lb. bond / Monarch / Com-10), Tab paper (letter only). Other types include label stock, gloss paper, pre-printed, recycled, pre-punched, letterhead, color, and OHP film.
<b>Output Tray</b>	Main output tray (top) 500 sheets (face down); Option: Right-side tray 100 sheets (face down)
<b>Duplexing</b>	Standard automatic duplex copying and printing of up to 110 Index
<b>Interface</b>	Ethernet (10/100BaseT), USB 2.0 (host port), USB 2.0 (device port)
<b>Memory</b>	Standard 768 MB (copier memory); 640 MB (printer/network scanning) memory
<b>Hard Disk</b>	80 GB HDD; Document Filing: 30 GB • Main/Custom: Up to 4,200 pages or 3,000 files • Quick Folders: Up to 1,400 pages or 1,000 files
<b>Resolution</b>	Scan: monochrome / color: Max 600 DPI; Copy Output (B&W / Color): Max 600 DPI
<b>Halftone</b>	Equivalent to 256 gradations/2 levels (mono)
<b>Color modes</b>	Auto Color Selection, Full Color, B/W, Dual & Single Color Modes
<b>Copy Features</b>	Scan-once Print-many (Electronic Sorting), Offset-stacking, Auto Color Selection (ACS), Auto Paper Selection (APS), Auto Magnification Selection (AMS), Auto Tray Switching, Rotation Copy, Job Reservation, 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, Mirror Image, B/W Reversal, Centering, Proof Copy, 2-in-1, 4-in-1, Pamphlet, Photo Repeat, Multi-page Enlargement, Document Filing, Account Management, Job Programs, Stamp Mode (Date / Text / Page B&W / Color) <sup>1</sup>

<b>Accounts</b>	Up to 1,000 users. Supports user-number authentication (on device), login name/password (on device) or login name/password (on device via LDAP)
<b>Firmware</b>	Flash ROM update via USB and/or network
<b>Power Source</b>	AC 100-127 VAC, 60 Hz, 12 Amps
<b>Power</b>	Approx Max: 1440W; Sleep Mode: 13W Low Power Mode: 185W (MX-3501N) 223W (MX-4501N)
<b>Weight</b>	Approx. 282 lbs. (base model)
<b>Dimensions</b>	25 7/16" (w) x 26 3/8" (d), x 37 13/16" (h)

## Network Printing System (standard)

<b>Emulation</b>	PCL6 / PCL5c compatible, optional PS3
<b>Resolution</b>	1,200 dpi (monochrome), 600 DPI, 300 DPI <sup>2</sup>
<b>Print Drivers</b>	Windows 98/ME, NT4.0 (with SP5 or later), 2000, XP, 2003 server; MAC OS 9, OSX (including 10.4) PPD only
<b>Software</b>	Print drivers, Printer Status Monitor and Printer Administration Utility
<b>Features</b>	Continuous, Duplex, Pamphlet, N-up, Image Rotation, Differ Cover Page/Last Page, Transparency Inserts, Tabs, Carbon-copy Print, Fit-to-page, Poster, Margin Shift, Mirror Image, Watermarks, Overlay, Confidential, Confidential Batch, Release from Hold, Proof, Bypass, Job Priority, Job Control, Tandem and Direct printing (Note: some features not available on certain print drivers) <sup>1</sup>
<b>Direct Printing</b>	File Types: TIFF, JPEG, PCL, TXT, PDF, Encrypted PDF, and PS (PS Expansion Kit required) <sup>2</sup> Methods: FTP, Web page, Email and USB memory
<b>Interface</b>	Ethernet; 10/100 BaseT; USB 2.0
<b>OS Support</b>	Windows 98/ME, NT 4.0, XP, 2003 Server. Novell Netware 3x, 4x, 5x, MAC OS 9, OSX, (including 10.4)
<b>Protocols</b>	TCP/IP for Windows and Unix environments including HTTPS and SSL IPX/SPX for Novell and EtherTalk for Macintosh environments
<b>Print Protocols</b>	LPR, IPP, PAP, Raw TCP (port 9100), FTP, Novell Pserver/Rprinter
<b>Security</b>	Secure Socket Layer, IP/MAC address filtering, protocol filtering, port management, user authentication and document administration

## Network Scanning System (standard)

<b>Scan Output</b>	Resolution: 600, 400, 300, 200 or 100 DPI
<b>Image Formats</b>	Monochrome: TIFF, PDF, Encrypted PDF Color / Grayscale: TIFF, JPG, PDF, Encrypted PDF Internet Fax: TIFF-FX, TIFF-F, TIFF-S
<b>Compression</b>	Mono: Uncompressed, G3 (MH), G4(MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax: MH/MMR (option)
<b>Destinations</b>	Email, Desktop, FTP, Folder (SMB), USB memory, Internet fax (option), Super G3 fax (option)
<b>One-Touch</b>	Up to 999 destinations (combined with scan destinations) and up to 500 Groups
<b>Programs</b>	48 total
<b>Scanning Protocols</b>	TCP/IP (includes SMTF, LDAP, FTP, SMB, POP, ESMTF)
<b>Security</b>	Email server user authentication and user account control
<b>Configuration Method</b>	Web-based management; user/administrator level login security
<b>Software</b>	Sharpdesk desktop document management software (1 user license)

## B&W Super G3 Fax Kit (option)

<b>Transmission Data</b>	Super G3, G3 (33.6 KBPS) with JBIG, MMR, MR or MH Compression by sheets fed simplex, duplex or off the glass; Max 400 DPI (ultra-fine) at approximately 2 seconds; JBIG <sup>3</sup>
<b>Auto Dialing</b>	Up to 999 destinations (combined with scan destinations) and up to 500 Groups
<b>Inbound Routing</b>	Forwards received fax data to Email
<b>Originals</b>	Up to 31.5" (for transmission)
<b>Programs</b>	48 (combined)
<b>Memory</b>	8 MB (exclusive)
<b>Features</b>	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 transmission, duplex reception transaction reports, activity reports and PC fax <sup>1</sup>

## Inner Finisher (option)

<b>Output Capacity</b>	Face down, 500 sheets (letter or statement) or 250 sheets (12" x 18", ledger, or legal)
<b>Stapling</b>	Plain paper, (letter, legal, or ledger size) with staple in front (1), rear (1), or both
<b>Max. Pages for Stapling</b>	50 sheets (letter size) or 30 sheets (legal, ledger or mixed same-width size)
<b>Stapled Sets</b>	30 bundles or 500 sheets (letter or statement size) or 30 bundles or 250 sheets (legal or ledger size)
<b>Hole Punching</b>	Optional hole-punch unit (3-holes/2-holes) MX-PNX1B

## Saddle-Stitch Finisher (option)

<b>Type</b>	Console finisher with dual exit trays (mounts on left side of host machine)
<b>Output Trays</b>	Upper tray: Offset stack tray; Lower tray: Book tray for saddle-stitch
<b>Output Capacity</b>	1,000 sheets (letter/statement size) or 500 sheets (legal, ledger or letter-R size)
<b>Output Data for Stapling</b>	Face down; 30 sheets (letter/statement) or 25 sheets (legal, ledger or mixed same-width) using Plain paper, letter/legal/ledger size or mixed with staple in front (1), rear (1), or both
<b>Saddle-Stitch</b>	Center stitch/center folding (2 staples) letter/ledger paper sizes
<b>Max Sets</b>	Up to 10 sets (6-10 sheets per set) Up to 20 sets (1-5 sheets per set)
<b>Punching</b>	Optional hole punch unit AR-PN1B (2 holes/3 holes)

## Large Capacity Tray (option)

<b>Type</b>	Large capacity paper feed desk
<b>Paper Size</b>	Letter size, 16-28 lb. Bond
<b>Capacity</b>	3,500 sheets
<b>Paper Types</b>	Plain paper, pre-printed, recycled, letterhead, pre-punched and colored paper

## Optional Equipment List

MX-DEX3	Stand/1 x 500 Paper Desk
MX-DEX4	Stand/2 x 500 Paper Desk
MX-45ABD	Rolling Cabinet Base
MX-LCX1	Large Capacity Tray (requires MX-DEX3 or MX-DEX4 or MX-45ABD)
MX-FNX1	Inner Finisher
MX-FNX2P	Saddle-stitch Finisher/Paper Pass Unit
MX-PNX1B	Punch Unit (for Inner Finisher)
AR-PN1B	Punch Unit (for Saddle-stitch Finisher)
MX-TRX2	Exit Tray Unit
MX-PKX1	Postscript 3 Kit
MX-FWX1	Internet Fax Kit
MX-FXX1	Super G3 Fax Kit
AR-PF1	Bar Code Font Kit
MX-AMX1	Application Integration Module
MX-FRX2U	Data Security Kit <sup>4</sup>
MX-PEX1	Fiery Print Controller (PostScript 3 incl.) <sup>4</sup>

## Supplies

MX-45NTBA	Black Toner Cartridge
MX-27NTCA	Cyan Toner Cartridge
MX-27NTMA	Magenta Toner Cartridge
MX-27NTYA	Yellow Toner Cartridge
MX-27NVBA	Black Developer
MX-27NVSA	Cyan/Magenta/Yellow Developer
MX-27NRSA	Drum

1 Some features require optional equipment  
2 1,200 DPI and Postscript Printing requires optional PS3 Expansion Kit  
3 Actual transmission time will vary based on line conditions. Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution  
4 Option not available at time of launch



"IT Friendliness"  
Award



As an ENERGY STAR® Partner, Sharp has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

# SHARP®

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