



### WORKGROUP COLOR DOCUMENT SYSTEMS



**A full-color ledger-size document system that will meet virtually all of your business needs.**

Boost workgroup efficiency and productivity with Sharp's new MX-2616N/MX-3116N full color MULTI-FUNCTION DOCUMENT SYSTEMS, designed to deliver amazing image quality and consistent day-to-day performance while also being easy to afford. Features include STANDARD PCL®6 compatible printing language, a HIGH RESOLUTION TOUCH-SCREEN color display with graphical user navigation for easy operation, and a TOTAL PAPER CAPACITY UP TO 3,100 SHEETS. Equipped with a powerful TRUE MULTI-TASKING controller that allows quick processing of even complex print jobs, the MX-2616N/MX-3116N produces HIGH-QUALITY, vibrant color documents in-house, helping you save time and money. Sharp's advanced device management tools make it simple for businesses to control system access, color usage and costs. Sharp's industry-leading security helps assure the confidentiality of your intellectual property. That's the SHARP DIFFERENCE.

### High-Quality, Feature-Rich and a Strong Value.

- **True multi-tasking** full color document system
- **High-resolution 7" (diagonal) touch-screen** color display with graphical navigation
- Standard **PCL®6 compatible printing system** with **available PostScript®3 compatible and XPS options\***
- **600 x 600 dpi** printing provides clear, crisp image output
- Advanced **ImageSEND™** function scans documents to USB devices, network folders, E-mail and more
- **ImageSEND** function scans documents at up to **50 images per minute** in both black and color
- Convenient **Document Filing System** with **thumbnail view** and **image preview** features
- Available **500 + 2,000 sheet tandem paper drawer**, for an online **capacity of 3,100 sheets\***
- **Flexible paper handling** system feeds up to 80 lb. cover through paper trays and up to 110 lb. cover through the bypass tray
- **Super G3 fax** option with intelligent inbound routing\*
- Supports Sharp's **award-winning** security platform with **standard 256-bit data encryption** and up to **7 times data overwrite protection**
- Convenient **end-of-lease feature** overwrites all job data, user data and network information at trade-in time
- **Remote front panel feature** allows users and administrators to view and control machine operations from a PC workstation
- **Environmentally-friendly design** offers low power consumption, fast warm up, compact design and long-life parts and supplies

\*Some features require optional equipment and/or software.

# MX-2616N/MX-3116N SPECIFICATIONS

## Main Specifications

MX-2616N	Includes multi-tasking controller, 320 GB HDD with document filing system, PCL®6 network printing, network scanning, 100-sheet RSPF, auto-duplex, one 500-sheet paper drawers and 100 sheet bypass. Black and color developer is included in the box.					
MX-3116N						
Type	Desktop, color multi-function digital document system					
Display	7" (diagonally measured) color dot matrix touch panel. 800 x 480 dots (W-VGA)					
Functions	Copy, print, network print, network scan, document filing and fax¹					
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	26/31 ppm B&W/Color (8½" x 11")					
Multiple Copy	Max. 999 copies					
First Copy Time (Seconds)²	MX-2616N		MX-3116N			
	Black	Color	Black	Color		
	Platen Glass	5.9	8.1	5.8	7.9	
		Doc. Feeder	9.1	11.6	9.1	11.6
Warm Up Time	18 seconds or less²					
Magnification	25% to 400% in 1% increments (with document feeder 25%-200%)					
Original Feed	100-sheet RSPF with original size detection					
Scan Speed	Copy mode: Up to 50 opm (B&W) @ 600 x 400 dpi; Up to 36 opm (Color) @ 600 x 600 dpi. Network Scan: Up to 50 opm (B&W or Color) 200 x 200 dpi. All times based on single-side letter originals.					
Original Sizes	5½" x 8½", 8½" x 11", 8½" x 11" R, 8½" x 14", 11" x 17" (13-32 lb. bond)					
Paper Capacity	Std. 600 sheets / Max. 3,100 sheets					
Paper Feed System	Standard: (1) 500-sheet paper drawer (letter/legal/ledger/statement size) and 100-sheet bypass tray (letter/legal/ledger/statement/envelope size). Optional: Single, double or triple drawer paper deck (500-sheets each drawer), tandem paper deck (500 + 2,000-sheets), letter/legal/ledger/statement size. See your local dealer for configurations.					
Paper Types	Paper drawers: 16 lb. bond -80 lb. cover. 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), 28 lb. bond-110 lb. cover (heavy paper), 20-24 lb. bond (Monarch/Com-10 envelope), tab paper (letter size only). Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color paper and OHP film.					
Duplexing	Standard automatic duplex copying and printing					
CPU	Multi-processor controller					
Interface	RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 (2 host ports, front and rear), USB 2.0 (1 device ports)					
Memory	Standard 3 GB + 2 GB option¹					
Hard Disk Drive	320 GB					
Copy Resolution	Scan: B&W/color: 600 dpi; Copy Output: B&W/color: 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 exposure control or 9 step manual exposure.					
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, mirror 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.					
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					

## Main Specifications (continued)

<b>Service/Maintenance</b>	Remote front panel access, remote access to service logs and click counts
<b>Accessibility Features</b>	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
<b>Environmental Standards</b>	The International Energy Star Program (EPA) Ver. 1.2, Law on Promoting Green Purchasing®, European RoHS (Restriction of Hazardous Substances)
<b>Power</b>	AC 100-127 VAC, 60 Hz, 12 Amps
<b>Power Cons.</b>	Maximum: 1440 W
<b>Weight</b>	Approx. 166.7 lbs. (base model)
<b>Dimensions</b>	24" (w) x 25½" (d), x 33" (h)

## Network Printing System

<b>PDL</b>	Standard PCL6 compatible, optional PostScript®3™ compatible, optional XPS
<b>Resolution</b>	600 x 600 dpi
<b>Print Speed</b>	26/31 pages per minute (8½" x 11")
<b>Print Drivers</b>	Windows Server® 2003-2012, Windows® XP, Windows XP x64, Windows Server x64, Windows Vista®, Windows Vista® x64, Windows® 7, Windows® 8, MAC OS®, OSX (including 10.4, 10.5, 10.6, 10.7, 10.8), all MAC PPD
<b>Features</b>	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, 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 (requires MX-PF10 bar code font kit)
<b>Direct Printing (optional)</b>	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, Postscript and XPS <sup>1</sup> Methods: FTP, Web page, E-mail and USB memory
<b>Resident Fonts</b>	80 outline fonts (PCL), 136 fonts (PS)
<b>Interface</b>	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0
<b>Operating Systems</b>	Windows Server 2003-2008, Windows XP, Windows Vista, Windows 7, MAC OSX 10.4.11, 10.5-10.5.8, 10.6-10.6.8, 10.7-10.7.4 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. <sup>1</sup>
<b>Network Protocols</b>	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, FTP), SNMPv3, 802.1x for Windows and Unix. LPD and LPR for UNIX. IPX/SPX® for Novell environments. EtherTalk®, AppleTalk® for Macintosh® environments. <sup>1</sup>
<b>Printing Protocols</b>	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Printer
<b>Network Security</b>	IP/Mac address filtering, protocol filtering, port management, user authentication and document administration. <sup>1</sup>
<b>Security Standards</b>	IEEE-2600™ 2008 for MFP devices, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA) <sup>1</sup>

## Network Scanning System

<b>Scan Modes</b>	Standard: Color, monochrome, grayscale
<b>Max Original Size</b>	11" x 17"
<b>Optical Resolution</b>	600 dpi
<b>Output Modes</b>	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
<b>Image Formats</b>	Monochrome: TIFF, PDF, PDF/A, Encrypted PDF, XPS Color: Grayscale, Color TIFF, JPEG, PDF, PDF/A, Encrypted PDF, XPS Internet Fax: TIFF-FX, FIFF-F, TIFF-S <sup>1</sup>
<b>Image Compression</b>	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option)
<b>Scan Destinations</b>	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
<b>One-touch Destinations</b>	Up to 1000 (combined scan destinations)
<b>Group Dest.</b>	Up to 500
<b>Programs</b>	48 (combined)
<b>Max. Jobs</b>	Up to 94
<b>Network Protocols</b>	TCP/IP and SSL (includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x.
<b>Network Security</b>	E-mail server user authentication for LDAP and Active Directory
<b>Software</b>	Sharpdesk® desktop document management software (1 user license)

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

<b>Transmission Mode</b>	Super G3, G3
<b>Modem Speed</b>	33.6 KBPS <sup>3</sup>
<b>Compression Methods</b>	JBIG, MMR, MR, MH
<b>Scanning Method</b>	Sheet fed simplex or duplex or book
<b>Max. Transmit Resolution</b>	400 dpi
<b>Transmit Speed</b>	Approx. 2 seconds with Super G3/JBIG <sup>4</sup>
<b>Auto Dialing</b>	Up to 1000 (combined scan destinations)
<b>Group</b>	Up to 500
<b>Dial/Destinations</b>	Routing: Forwards received fax data to E-mail
<b>Inbound Fax Long Length</b>	Up to 31½" (for transmission)
<b>Originals Programs</b>	48 (combined)
<b>Memory</b>	1 GB (shared)
<b>Halftone</b>	256 levels
<b>Features</b>	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, in-bound fax routing, 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)

<b>Type</b>	Built-in finisher (hole-punch unit option)
<b>Output Capacity</b>	500 sheets (letter/statement) or 250 sheets (ledger/legal size)
<b>Output Delivery</b>	Face down
<b>Stapling Media</b>	Plain paper, (letter, legal, or ledger size)
<b>Stapling Positions</b>	1 front, 1 rear, or both
<b>Power Source</b>	Supplied from main unit
<b>Stapling</b>	Up to 50 sheets (letter size) or 30 sheets (legal, ledger or mixed)
<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 MX-PN11B (2 holes/3 holes)
<b>Weight</b>	Approx. 26.5 lbs.
<b>Dimensions</b>	24¾" (w) x 23½" (d) x 8" (h) (includes extended tray)

## Optional Equipment

<b>MX-DE12</b>	Stand/1 x 500 Sheet Paper Drawer
<b>MX-DE13</b>	Stand/2 x 500 Sheet Paper Drawer
<b>MX-DE14</b>	Stand/3 x 500 Sheet Paper Drawer
<b>MX-DE20</b>	Stand/500 + 2,000 Sheet Tandem Paper Drawer
<b>MX-LT10</b>	Long Paper Feeding Tray
<b>MX-36ABD</b>	Rolling Cabinet Base
<b>MX-FN17</b>	Finisher
<b>MX-PN11B</b>	3 Hole Punch Unit (Requires MX-FN17)
<b>MX-TR13N</b>	Exit Tray Unit
<b>MX-PK11</b>	PostScript 3 Kit
<b>MX-PUX1</b>	XPS Expansion Kit (Requires MX-SHP2GBXPS)
<b>MX-SHP2GBXPS</b>	XPS Expansion Memory (Requires MX-PUX1)
<b>MX-FX11</b>	Fax Expansion Kit
<b>MX-FWX1</b>	Internet Fax Kit
<b>MX-PF10</b>	Bar Code Font Kit
<b>MX-AMX1</b>	Application Integration Module

## Supplies

<b>MX-23NTBA</b>	Black Toner Cartridge
<b>MX-23NTCA</b>	Cyan Toner Cartridge
<b>MX-23NTMA</b>	Magenta Toner Cartridge
<b>MX-23NTYA</b>	Yellow Toner Cartridge
<b>MX-36NVBA</b>	Black Developer
<b>MX-36NVSA</b>	Cyan/Magenta/Yellow Developer
<b>MX-36NRSA</b>	Drum
<b>MX-230HB</b>	Toner Collection Container

<sup>1</sup> Some features may require optional equipment and/or software.

<sup>2</sup> May vary depending on product configuration, machine settings and operating and/or environmental conditions.

<sup>3</sup> Actual transmission time will vary based on line conditions.

<sup>4</sup> Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.



# SHARP®

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