

## ESSENTIALS SERIES COLOR DOCUMENT SYSTEMS

### The new benchmark of innovation.

The Sharp MX-5050N and MX-6050N Essentials Series color workgroup document systems offer stunning color output with exceptional ease of use. These new models are designed to provide customers with a seamless, intuitive experience, and the confidence in knowing their jobs will come out right the first time, every time. The new color Essentials Series focuses on value as well as user operability, and draws inspiration from the latest networking and imaging technologies available today, all to create a document system that delivers the productivity you need, with the reliable performance you want.

### Key Features

- **Ease of Use** – Sharp's customizable touchscreen display offers a user-friendly graphical interface with a clean design, simplified Easy Modes and integrated operation guides.
- **Integration** – Available Sharp OSA® modules enable easy integration with network applications and cloud services, which can unlock advanced capabilities to help you better manage your workflow.
- **Productivity** – Standard full multifunction capability out-of-box, including copying, PCL® 6 network printing and color network scanning, combines with an easy-to-use graphical interface and a 15-second warm up time to offer strong value.



*Provides up to six paper sources for a maximum paper capacity of 6,300 sheets.*



*Select staple finishers also offer manual stapling and stapleless stapling.*



*Sharp's ImageSEND™ feature provides one-touch distribution to email, cloud applications and more.*

## The Sharp color Essentials Series deliver cutting-edge technology and powerful productivity.

- Network-ready **PCL 6** and available **true Adobe® PostScript® 3™** printing systems combined with available **DirectOffice™ technology** lets you direct print PDFs, select Microsoft® Office formats and more!
- Available **wireless networking** feature can connect directly to your network or to mobile devices for convenient printing and scanning with the **Sharpdesk® Mobile App**.
- Large 10.1" (diagonally measured) **customizable touchscreen display** with a clean design enables easy access to features and functions when setting up jobs.
- **Easily access popular cloud applications**, including Microsoft OneDrive® for Business, SharePoint® Online and Google Drive™ with Sharp's available Cloud Connect features.
- **Cloud Portal Office**, an available content management software service from Sharp for storing and sharing scanned documents and other electronic files, helps keep your whole team connected in the office and on the go.
- Standard **100-sheet reversing single-pass document feeder** scans documents at speeds up to **80 images per minute (ipm)**.
- Sharp's **Color Consistency System** with next generation image process control delivers high quality color output and maintains optimum color balance and toner density page after page.
- Available **Compact PDF** feature dramatically reduces the file size of scanned color documents, resulting in decreased network traffic and more efficient use of disk and cloud storage.
- Flexible paper handling system supports media up to **110 lb. cover (300 gsm)** and up to **12" x 18"** through the paper trays, allowing you to print on a wide variety of media.

# MX-5050N/6050N SPECIFICATIONS

## Main Specifications

<b>MX-5050N/6050N</b>	Base models include multitasking controller, 100-sheet RSFP and PCL 6 printing system, network scanning, auto duplexing, 1 x 550-sheet paper drawer, 100-sheet bypass tray. Black and color developer is included.		
<b>Type</b>	Color multi-function digital document system		
<b>Display</b>	10.1" (diagonally measured) color dot matrix high-resolution touch panel tilting display. 1024 x 600 dots (W-SVGA)		
<b>Functions</b>	Copy, print, network print, network scan, document filing and fax <sup>1</sup>		
<b>Copy System</b>	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Belt fusing/white LED exposure		
<b>Originals</b>	Sheets and bound documents		
<b>Max. Original Size</b>	11" x 17"		
<b>Copy Size</b>	Min. 5½" x 8½", Max. 12" x 18"		
<b>Copy Speed</b>	50/60 ppm B&W/Color (8½" x 11")		
<b>Multiple Copy</b>	Max. 9,999 copies		
<b>First Copy Time</b>		<b>MX-5050N</b>	<b>MX-6050N</b>
<b>Seconds<sup>2</sup></b>	Platen Glass	Mono 3.7	Mono 3.7
		Color 4.8	Color 4.8
	RSFP	Mono 6.1	Mono 6.1
		Color 7.5	Color 7.5
<b>Warm Up Time</b>	15 seconds or less		
<b>Magnification</b>	25% to 400% in 1% increments (with document feeder 25%-200%)		
<b>Original Feed</b>	100-sheet RSFP with original size detection.		
<b>Scan Speed</b>	Copy: Up to 80 ipm (B&W)/41 ipm (Color) Scan: Up to 80 ipm (B&W/Color)		
<b>Original Sizes</b>	5½" x 8½", 8½" x 11", 8½" x 11" R, 8½" x 14", 11" x 17"		
<b>Paper Capacity</b>	Standard: 650 Sheets/Maximum: 6,300 Sheets		
<b>Paper Feed System</b>	Standard: (1) 550-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 (550, 1,100, or 1,650 sheets), split tandem paper drawer (2,100 sheets letter only) plus (1) 550-sheet paper drawer (letter/legal/ledger/statement size).		
<b>Paper Weights and Types</b>	Paper drawers: 18 lb. bond to 110 lb. cover. Split Tandem Tray: 18 lb. bond to 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), 28 lb. bond-110 lb. cover (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.		
<b>Duplexing</b>	Standard automatic duplex copying and printing		
<b>CPU</b>	Up to 1.75 GHz multi-processor design		
<b>Interface</b>	10/100/1000 Base-T Ethernet, USB 2.0: 2 host ports (front and rear), 1 available device port (rear), wireless 802.11 a/b/g/n		
<b>Memory</b>	Standard 5 GB copy/print (shared)/Hard Disk Drive: 250 GB		
<b>Hard Disk Drive</b>	250 GB		
<b>Copy Resolution</b>	Scan: Up to 600 x 600 dpi (B&W/Color) Output: Up to 1200 x 1200 dpi (B&W), up to 600 x 600 dpi (Color)		
<b>Color Modes</b>	Auto Color Selection (ACS), Full Color Mode, Monochrome (B/W)		
<b>Exposure Control</b>	Modes: Automatic, Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Color Document. Settings: Auto or 9 step manual		
<b>Halftone</b>	256 gradations/2 levels (monochrome)		
<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 (ATS), black-white reversal, blank page skip, book copy, book divide, card shot, center erase, centering, cover pages, dual page copy, edge erase, image edit, image preview, insert pages, job build, job programs, margin shift, mirror image, mixed size original, multi-page enlargement, original count, pamphlet style, proof copy, repeat layout, reserve copy, rotated copy, stamp, stamp custom image, suppress background, tab copy, tab-paper insertion, tandem copy, toner save mode, transparency inserts, watermark, 2-in-1 / 4-in-1 / 8-in-1 multi shot		
<b>Account Control</b>	Up to 1,000 users. Supports user-number authentication, login name/password or login name/LDAP password		
<b>Output Tray Capacity</b>	Center Exit Tray (Main): 250 sheets (face down) Job Separator (Upper Tray): 100 sheets (face down) Right Side Exit Tray: 100 sheets (face down)		

## Main Specifications (continued)

<b>Cloud Supported Services</b>	Sharp Cloud Portal Office, Google Cloud Print, Google Drive, OneDrive for Business, SharePoint Online
<b>Network Protocols</b>	TCP/IP (IPv4, IPv6, IPsec), HTTP/HTTPS, IPP/IPP-SSL, FTP/FTPS, SNMPv3, SMTP/SMTP-SSL, POP3/POP3-SSL, LDAP/LDAP-SSL, 802.1x for Windows and Unix.
<b>Network Security</b>	Includes IP/MAC address filtering, protocol filtering, port control, user authentication (local/LDAP/Active Directory <sup>®</sup> ), TLS Encryption, Kerberos support
<b>Firmware Management</b>	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Manager)
<b>Device Setup Service/Functions</b>	Web-based management/cloning with user/admin level login Remote Front Panel, remote access to service logs and click counts
<b>Accessibility Features</b>	Free stop tilting front panel, adjustment of key touch sound 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>	International Energy Star Program Ver. 2.0, European RoHS, Blue Angel (RAL-UZ171)
<b>Power Source</b>	110-127 V AC, 60 HZ, 20 A Receptacle
<b>Power Consumption</b>	1.92 kW or less
<b>Weight</b>	Approx. 180 lbs.
<b>Dimensions</b>	Approx. 24" (w) x 26" (d) 33" (h)

## Network Printing System

<b>PDL</b>	Standard PCL <sup>®</sup> 6 compatible, optional Adobe PostScript 3
<b>Resolution</b>	1200 x 1200 dpi
<b>Print Speed</b>	50/60 pages per minute (8½" x 11")
<b>Print Drivers</b>	Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server <sup>®</sup> 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows PPD, MAC OSX <sup>®</sup> (including 10.4 to 10.11), all MAC PPD, Linux <sup>®</sup> PPD
<b>Mobile Printing</b>	AirPrint <sup>™</sup> , Android <sup>™</sup> printing framework (Sharp Print Service Plugin), Mopria <sup>™</sup> Print Service, Sharpdesk Mobile <sup>3</sup>
<b>Print Features</b>	Auto configuration, serverless print release, bar code font printing, carbon copy print, chapter inserts, color adjustment settings, color mode, confidential print, continuous printing, custom image registration, different cover page/last page/other page, document control, document filing, duplex printing, electronic sorting, folding, form overlay, hidden pattern print, image rotation, image stamp, image type, job bypass print, job retention, layout print, margin shift, multiple pamphlet, network tandem print, N-up printing, offset stacking, page interleave, pamphlet style, poster print, proof print, print and send, punching, stapling, tab paper print, tab printing, toner save mode, transparency inserts, tray status, user authentication, watermarks, zoom print
<b>Resident Fonts</b>	80 outline fonts (PCL), 139 fonts (PS)
<b>Interface</b>	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0, Wireless
<b>Operating Systems and Environments</b>	Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server <sup>®</sup> 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Mac OS X10.4-10.11, UNIX <sup>®</sup> , Linux, Citrix <sup>®</sup> (XenApp 5.0-7.6), Windows Remote Desktop Services, SAP device types <sup>4</sup>
<b>Printing Protocols</b>	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP, POP3, HTTP, Novell Pserver/Rprinter, LPD and LPR for Unix

## 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, 150 dpi, 100 dpi
<b>Image</b>	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR)
<b>Compression</b>	Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option) <sup>5</sup>
<b>Image Formats</b>	Monochrome: TIFF, PDF, PDF/A, Encrypted PDF, and XPS Color/Grayscale: TIFF, JPEG, PDF, PDF/A, Compact PDF, Encrypted PDF and XPS. Internet Fax: TIFF-FX, TIFF-F, and TIFF-S <sup>6</sup>
<b>Scan Destinations</b>	Email, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)

## Network Scanning System (continued)

<b>One-touch Destinations</b>	Up to 2,000 (combined scan destinations)
<b>Group Destinations</b>	Up to 500
<b>Programs</b>	48 (combined)
<b>Max. Jobs</b>	Up to 100
<b>Enhanced Email Integration</b>	Standard Gmail connector, standard Exchange connector (on-premises)
<b>Scanning Protocols</b>	HTTP/HTTPS, FTP/FTPS, SMTP/SMTP-SSL/ESMTP, SMB, POP3, LDAP, S/MIME
<b>Software</b>	Sharpdesk <sup>®</sup> desktop personal document management software (1 user license included), Sharpdesk Mobile (download)

## Direct Print Expansion Kit (Option)

<b>File Types</b>	TIFF, JPEG, PCL, PRN, TXT, PNG, DOCX, XLSX, and PPTX Optional: PDF, Compact PDF, Encrypted PDF, and PostScript
<b>Methods</b>	FTP, SMB, Web page, Email and USB memory

## Optional Equipment

<b>MX-60ABD</b>	Deluxe Copier Cabinet Base (with front door)
<b>MX-DE25</b>	Stand/1 x 550-sheet Paper Drawer
<b>MX-DE26</b>	Stand/2 x 550-sheet Paper Drawers
<b>MX-DE27</b>	Stand/3 x 550-sheet Paper Drawers
<b>MX-DE28</b>	Stand/1 x 550 + 2,100-sheet Split Tandem Paper Drawers
<b>MX-DE29</b>	Low Stand/1 x 550-sheet Paper Drawer
<b>MX-LC17</b>	3,000-sheet Large Capacity Cassette (letter, requires MX-DE25/26/27/28)
<b>MX-LT10</b>	Long Paper Feeding Tray
<b>MX-FN27</b>	50-sheet Staple Inner Finisher
<b>MX-FN28</b>	1K Stacking 50-sheet Staple Finisher
<b>MX-FN29</b>	1K Stacking 50-sheet Staple/Saddle Stitch Finisher
<b>MX-FN30</b>	3K Stacking 65-sheet Staple Finisher
<b>MX-FN31</b>	3K Stacking 65-sheet Staple/Saddle Stitch Finisher
<b>MX-RB25</b>	Paper Pass Unit (required for MX-FN28/29/30/31)
<b>MX-PN14B</b>	3-Hole Punch Unit (requires MX-FN27)
<b>MX-PN15B</b>	3-Hole Punch Unit (requires MX-FN28/29)
<b>MX-PN16B</b>	3-Hole Punch Unit (requires MX-FN30/31)
<b>MX-SCX1</b>	Staple Cartridge for MX-FN27/28/29
<b>AR-SC2</b>	Saddle-stitch Staple Cartridge for MX-FN29
<b>MX-SC11</b>	Staple Cartridge for MX-FN30/31
<b>MX-SC12</b>	Saddle-stitch Staple Cartridge for MX-FN31
<b>MX-TR19</b>	Right Side Exit Tray
<b>MX-TR20</b>	Job Separator Tray
<b>MX-TU16</b>	Center Exit Tray
<b>MX-UT10</b>	Utility Table
<b>MX-EB11</b>	Compact PDF Kit
<b>MX-EB18</b>	Wireless LAN
<b>MX-FX15</b>	Fax Expansion Kit
<b>MX-FWX1</b>	Internet Fax Kit
<b>MX-PF10</b>	Bar Code Font Kit
<b>MX-PK13</b>	Adobe <sup>®</sup> PostScript <sup>®</sup> 3 <sup>™</sup> Expansion Kit
<b>MX-PU10</b>	Direct Print Expansion Kit
<b>AR-SU1</b>	Stamp Unit (requires AR-SV1 Stamp Cartridge)
<b>AR-SV1</b>	Stamp Cartridge
<b>MX-AMX1</b>	Application Integration Module
<b>MX-AMX2</b>	Application Communication Module
<b>MX-AMX3</b>	External Accounting Module
<b>MX-FR51U</b>	Commercial Data Security Kit (not available at time of launch)
<b>DVENDFS</b>	Generic Vendor Interface Kit

## Supplies

<b>MX-60NTBA</b>	Black Toner Cartridge
<b>MX-60NTCA</b>	Cyan Toner Cartridge
<b>MX-60NTMA</b>	Magenta Toner Cartridge
<b>MX-60NTYA</b>	Yellow Toner Cartridge
<b>MX-60NVBA</b>	Black Developer
<b>MX-60NVSA</b>	Cyan/Magenta/Yellow Developer
<b>MX-60NRSA</b>	Drum
<b>MX-607HB</b>	Toner Collection Container

<sup>1</sup> Some features require optional equipment. See your local dealer.

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

<sup>3</sup> Go to [www.sharpsusa.com](http://www.sharpsusa.com) for a list of supported devices and operating systems.



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