The Sharp Essentials Series color document systems deliver strong value, enhanced integration and powerful productivity.

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.

The MX-5050N and MX-6050N color Essentials Series offer customers powerful multitasking features enabling them to quickly execute the ever-changing workflow tasks of today’s busy office environments. And with Sharp’s industry-leading security features, you can rest assured that your intellectual property is protected from the first day of operation to the time of trade-in.
A flexible design plus multifunctional capability allow you to meet tomorrow’s document needs today.

- 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.
- Pantone Licensing on these models offers unprecedented levels of color fidelity to the PANTONE MATCHING SYSTEM®.
- 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.
- 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.
- 1200 x 1200 dpi printing provides clear, crisp images and enhanced clarity for fine details such as small text and graphics.

Provides up to six paper sources with available 550 + 2,100-sheet split tandem paper drawers and 3,000-sheet large capacity cassette.
From paper handling to networking, the MX-5050N and MX-6050N color Essentials Series will exceed your expectations.

**Simple and Intuitive Operation**
From the most basic of copy functions, to the most complex scan jobs, the color Essentials Series will perform them with ease and efficiency. Use one of the Easy Modes for fast, simple operation, with basic functions displayed in large, clearly-labeled tiles and keys. And for more advanced features, just touch the “Details” button—it’s that easy.

**A “Well-connected” Device**
Connecting a multifunction printer (MFP) to your wireless network and accessing it from mobile devices has never been so easy with the color Essentials Series’ available wireless networking features. Print from or scan to popular cloud services such as Microsoft OneDrive for Business, SharePoint Online, and Google Drive with Sharp’s Cloud Connect features.* Single Sign-on (SSO) support for accessing these services makes scan-to-folder and scan-to-email operations simpler than ever. Even printing from your desktop is made easier with Sharp’s standard Serverless Print Release function. Easily send a job to one device, and print it on another when and where it’s most convenient for you.

**The Productivity You Need, the Performance You Want**
When it’s time to get the job done, the Essentials Series color document systems are outstanding performers. Quickly scan documents at speeds up to 80 images per minute. Then use the manual stapling feature on select finishers to restaple your originals. Multiple finishing options give you the output you require, be it stacked, stapled or saddle-stitched. There’s even an available built-in stapleless staple feature, which can bind up to five sheets of paper by adding a crimp to the corner of the set, saving regular staples for larger sets.

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*Requires optional equipment.
The MX-5050N/6050N Essentials Series color document systems provide high-performance functionality adaptable to your business needs.

**High Impact Versatility and Scalability**

**Color Consistency System**

Sharp’s Color Consistency System combines Micro-Toner Technology, Developer Auto-Refresh Process, and Real-Time Process Control. These processes help ensure color output is always at peak performance.

**Advanced Finishing**

Sharp gives you a choice of five high-performance finishers to give your documents a professional look. Choose from a compact inner finisher to a high capacity, floor-standing saddle stitch finisher.

**Easy-to-Use Smart Touchscreen**

Tablet-style menu provides quick access to features and functions.

**Advanced Network Scanning**

Sharp’s ImageSEND™ feature provides one-touch distribution to email, network folders, cloud applications and more.

**Flexible Paper Handling**

Paper drawers feed up to 12" x 18” and support media up to 300 gsm. 550-sheet capacity makes it easy to reload a full ream of paper. A high capacity split tandem drawer is also available.

**Reversing Single Pass Feeder (RSPF)**

Standard 100-sheet reversing document feeder scans up to 80 ipm.

**In-line Stapling**

Produce professional-looking corner-staple or edge-staple documents up to 65 pages.

**Manual Stapler**

Manual stapling feature makes it easy to re-staple originals after scanning.

**Saddle Stitch Finishers**

Make high quality booklets up to 80 pages.

**High Quality Printing**

1200 x 1200 dpi resolution produces razor-sharp documents. Available true Adobe PostScript 3 drivers offer extensive job control.

**On-board Document Storage**

Sharp’s easy-to-use Document Filing System enables users to store frequently used files.

**Enhanced Security Features**

256-bit data encryption with up to 10-times data overwrite, as well as Sharp’s convenient End-of-Lease feature.

**Toner Hopper**

Lets you change toner on-the-fly to help maximize productivity.

**Large Capacity Cassette**

Large capacity cassette option adds an additional 3,000 sheets of paper for a total on-line capacity of up to 6,300 sheets.
Powerful document workflow solutions help you work more efficiently.

**Simplify Printing Your Files with Direct Printing**
With the available Direct Print Expansion Kit, you can print popular file formats including Microsoft Word, PowerPoint® and Excel®, as well as a variety of PDF formats from thumb drives, cloud applications and mobile devices.\(^1\) This function is enabled via DirectOffice technology. With this much flexibility, you can speed through your workflow tasks faster than ever!

**Distribute, Access and Print Your Documents with Ease**
Sharp makes it easy to send documents to the destinations you need, and goes beyond traditional network scanning with standard Email Connect and Cloud Connect features. With Email Connect, scan to email is seamlessly integrated with Microsoft Exchange and Gmail™. With Cloud Connect, you can easily scan to and print from Microsoft OneDrive for Business, SharePoint Online and Google Drive without additional middleware. Sharp also makes it easy to collaborate and share documents with available Cloud Portal Office document storage and sharing service. Capture, index and archive your documents easily and securely.

**Scan and Print Files Easily from Mobile Devices**
The Essentials Series color document systems also make it easy to scan and print files from tablets and smart phones using Sharpdesk® Mobile, a free downloadable app available for most common mobile devices.\(^2\) The color Essentials Series also supports popular mobile technologies such as AirPrint®, Mopria™, Android™ printing framework and Google Cloud Print™ with the available Adobe PostScript 3 Expansion Kit. You can print locally from your device or download files from supported cloud applications. Since the color Essentials Series can connect to mobile devices through a point-to-point wireless connection, there is no interference with your corporate network.\(^1\)

**Flexible Printing Solutions Help Speed Up Your Office Productivity**
The color Essentials Series offer standard PCL 6 and optional true Adobe PostScript 3 printing systems to help you speed through all of your output needs with accuracy. To help streamline your jobs, these powerful performers include Serverless Print Release technology, enabling you to securely print a job and release it from any of six color Essentials Series models. And with Google Cloud Print web printing service, you can print from Chromebook™ notebook computers, PCs and more from virtually anywhere.

**Simplify Complex Business Workflows**
Sharp OSA technology can help your business leverage the power of your network applications, back-end systems and cloud services.\(^1\) Easily automate complex processes and help eliminate redundant tasks. Create your own custom integrations or take advantage of the growing portfolio of Sharp OSA applications available from Sharp Partner Program members.

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1. Some features require optional equipment and/or software/services.
2. Go to www.sharpusa.com for a list of supported devices and operating systems.
Manage your device, help safeguard your data, help protect your business.

Businesses require that the devices on their networks are properly managed and closely monitored to ensure their data remains uncompromised. To help achieve this, the MX-5050N/6050N Essentials Series offer powerful device management utilities, web-based customer training and advanced, multi-layered security features.

With the Sharp Remote Device Manager (SRDM)*, administrators can take control of system features and simplify installation and management. SRDM makes it easy to view service logs, click counts, history reports and more. Its event-driven service alerts help you monitor the device and maximize uptime. The Remote Front Panel feature allows administrators to view and control the machine’s LCD panel from a PC to troubleshoot issues and train operators remotely. Sharp also offers both built-in and additional auditing hardware and software to control, access and track usage of each device on the network.* And with My Sharp™, you get a dedicated training website customized to your model and configuration to help you understand and utilize all of the advanced features of your Sharp product, including those for security.

To help protect employees’ privacy and intellectual property, the color Essentials Series is armed with a variety of security measures, including features such as data encryption, data overwrite protection and data erase. Multiple security protocols help restrict access to the device while in operation, and a convenient End-of-Lease feature overwrites all data at time of trade-in. Authority Groups help manage and restrict specific copying, printing, scanning and fax features to safeguard data and control costs. The Admin Audit Log feature allows IT administrators to track activity on the device. Confidential Printing and Secure Fax Release help ensure that sensitive documents are kept safe by requiring users to enter a PIN code in order to print them. For advanced security, these models support Active Directory user authentication and secure single sign-on to network folders and emails. For an optimized workflow experience, ID card authentication can also be activated.

These scalable security offerings aim to protect your intellectual property, preserve confidential information and help your business meet regulatory requirements including the Health Insurance Portability and Accountability Act (HIPAA) and the Family Educational Rights and Privacy Act (FERPA). For additional information visit: www.sharpusa.com/security.

*Some features require optional equipment and/or software.

ENVIRONMENTAL COMMITMENT

An Environmentally Responsible Approach to Product Design
Sharp is committed to environmental sustainability and corporate responsibility including planning, design, manufacturing, distribution and product end-of-life management. Sharp adheres to Green Products Guidelines in pursuit of these commitments. These guidelines include designing products that consume less power, using recycled materials, reducing the amount of material used in products and packaging, and labeling the type of materials used. Sharp also aims to design products that are upgradable, easy to repair and easy to take apart for recycling.

The MX-5050N/6050N document systems are ENERGY STAR® qualified and RoHS compliant to restrict the use of hazardous substances. These products also have the lowest TEC value among competitive models, at time of this printing. Sharp MFPs are EPEAT® registered.

Toner Recycling Program
As part of our commitment to helping preserve the environment, Sharp offers our customers zero-waste-to-landfill recycling for Sharp consumables, including cartridges, bottles, toner collection containers and drum units. Sharp encourages customers to recycle their used Sharp toner cartridges in bulk by providing a pre-paid recycling kit for their return to our facility.

Environmental Leadership
As a testament to our commitment to the environment, Sharp is a multi-year winner of the ENERGY STAR annual Excellence in Energy Proficiency Product Design. Sharp is also a multi-year winner of the SmartWay® Excellence Award which recognizes companies for conserving energy and lowering greenhouse gas emissions in logistics and transportation.

For more information about Sharp’s environmental leadership including information about energy efficient products, electronics or toner cartridge recycling, please visit www.sharpusa.com/environment.
### MX-5050N/6050N SPECIFICATIONS

#### Main Specifications

**MX-5050N/6050N** Base modes include multitasking controller, 100-sheet RSPP and PCL 6 printing system, network scanning, auto duplicating, 100-sheet paper drawer. 1000 Sheet bypass tray. Black and color developer is included.

- **Type**
  - Color: multi-function digital document system
- **Display**
  - 10.1" (diagonally measured color dot matrix high resolution VFD panel) to fit DS size (120 x 120 dots) at (X: 4800 dpi) (Y: 600 dpi).
- **Functions**
  - Copy, print, network print, network scan, document filing and fax.
- **Copy System**
  - Dry electrostatic transfer/Dual component developer
  - Multi-functional development/OPC drums/tungsten/white LED exposure
- **Originals**
  - Sheets and bound documents
- **Max. Original Size**
  - 11" x 17"*1
- **Copy Size**
  - Min: 5½" x 8½". Max: 12" x 18".
- **Copy Speed**
  - 50/60 ppm B&W/Color (8½" x 11")
- **Warm-up Time**
  - 15 seconds or less
- **Multiple Copy**
  - Copy Speed
  - Copy Size
  - Min. 5½" x 8½", Max. 12" x 18"
- **5½" x 8½", 8½" x 11", 8½" x 14", 11" x 17"**
- **Paper Capacity**
  - Standard: 650 Sheets/Maximum: 6,300 Sheets
- **Paper Feed**
  - Options: Single, double, or triple drawer paper deck (550, 1,000, or 1,650 sheets), split tandem paper drawer (2 sheets letters only) up to (5) 550-sheet paper drawer (letter/legal/ledger/statement size).
- **Paper Weights and Types**
  - Paper drawer: 18 lb. to 110 lb. cover.
  - Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and colored paper.
- **Duplexing**
  - Standard automatic duplex copying and printing
- **CPU**
  - Up to 1.7 GHz multi-processor design
- **Interface**
  - USB 2.0 (front and rear), 10/100/1000 Base-T Ethernet, USB 2.0 host ports (front and rear), 1 available device port (port), wireless 802.11 a/b/g/n
- **Memory**
  - Standard: 512 MB copy/print/shared/Hard Disk Drive: 250 GB
- **Hard Disk Drive**
  - 250 GB
- **Copy Resolution**
  - 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)
- **Color Modes**
  - Auto Color Selection (ACS), Full Color Mode, Monochrome Mode
- **Exposure Control**
  - Settings: Auto or 9 step manual
- **Half-tone**
  - 3 to 16 gray scales
- **Copy Features**
  - 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 inverse, plain blank skip, box copy, book divide, card shot, center erase, centering, cover pages, dual page copy, edge erase, image edit, image preview, insert pages, job build, job program, margin shift, mirror image, noise size original, multi-page enlargement, count original, thumbnail style, proof copy, repeat layout, reserve copy, rotated copy, stamp custom image, suppress background, tab copy, tab paper insertion, tandem copy, tandem copy, sizer mode, transparent inserts, watermark, 2-4/1-4 n-1/8 in multi-shot
- **Account Control**
  - User administrate, login name/password or login name/LDAP password
  - Output Tray
    - Center Exit Tray (Max): 250 sheets (face down)
  - Capacity
    - Job Separator (Upper) tray: 100 sheets (face down)
  - Right Side Exit Tray: 100 sheets (face down)

### Network Scanning System (continued)

### Network Scanning System

**Network Scanning System**

1. **One-touch**
   - Up to 2,000 (combined scan destinations)
2. **Destinations**
   - Group destinations: Up to 500
3. **Programs**
   - 48 (combined)
4. **Max. Jobs**
   - Up to 500
5. **Enhanced Email**
   - Standard: Simple Mail Transport, Standard: Simple Mail Transport
6. **Integration**
   - (on-premises)
7. **Scanning Protocols**
   - HTTPS, FTP, FTP/FTPS, SMTP/IMTP-SMP, SMP, LDAP/LDAP-SMP, 802.1x for Windows and Unix.
8. **Software**
   - Sharpdesk, Sharpdesk to local document management software (user needs license included), Sharpdesk Mobile (download)

### Print Direct Expansion Kit (Option)

**File Types**

- TIFF, JPEG, PDF, PPML, PDF, XML/PPF, and PDF/A
- ODF: Open Document, Open PDF, Encrypted PDF, and PostScript

**Methods**

- FTP, SMTP, Web page, Email and USB memory

### Optional Equipment

- **MX-6050N** Deluxe Copier Cabinet Base (with front door)
- **MX-6050N** Stand (B/W printer cabinet)
- **MX-6206** Stand/2 x 550-sheet Paper Drawers
- **MX-6207** Stand/x 150-2,100 Sheet Tandem Tandem Paper Drawers
- **MX-6208** Stand/x 150-2,100 Sheet Tandem Tandem Paper Drawers
- **MC-6207** Stand/1 x 550-2,100 Sheet Tandem Tandem Paper Drawers
- **MX-6209** Stand/x 150-2,100 Sheet Tandem Tandem Paper Drawers
- **MX-6210** Standard 1 x 200 Sheet Tandem Tandem Paper Drawers
- **MX-6211** Standard 1 x 550-2,100 Sheet Tandem Tandem Paper Drawers
- **MX-6212** Standard 1 x 550-2,100 Sheet Tandem Tandem Paper Drawers
- **LM-6211** Standard 1 x 550-2,100 Sheet Tandem Tandem Paper Drawers

### Dimensions

- Approx. 24" w x 26" h x 33" d

### Network Printing System

- **Resolution**
  - 1200 x 1200 dpi
- **Print Speed**
  - 50/60 pages per minute (8½" x 11")
- **Print Drivers**
- **Mobile Printing**
  - AirPrint, Android printing framework (Sharp Print Service Plugin), Mopria Print Service, Sharpdesk Mobile
- **Print Features**
  - Automatic, serverless print release, bar code font printing, carbon copy print, chapter inserts, color adjustment settings, color mode, confidential print, continuous print, custom page size, custom paper size, custom print, digital page sort, digital printing, electronic sorting, edge cutting, form overlay, hidden pattern print, image rotation, image stamp, image type, job bypass, print job, print retention, layout print, margin shift, multiple pamphlet, network tandem print, N-up printing, offset stacking, page interleave, pamphlet style, poster print, poster print, print and send, punching, stapling, tab paper print, tabbing, timer entry, transparency inserts, tray status, user authentication, watermarks, zoom print
- **Resident Fonts**
  - Windows outline fonts (PCL), 139 fonts (PS)
- **Interface**
  - USB 2.0, 10/100/1000 Base-T Ethernet, USB 2.0, Wireless
- **Operating Systems and Environments**
- **Printing Protocols**
  - LPR, IPP, IPPS, PSAP, Raw TCP (port 9100), FTP, PPD, HTTP, Novell Printer/Printer, LPD and LPR for Unix

### Printing Protocols

- Standard: Color, monochrome, grayscale
- Max. Original Size
  - 11" x 17"*

### Optical Resolution

- 600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi

### Image

- Monochrome: Scanning Uncompressed, 64 dpi, (M/MIV/MIV)
- Color/Grayscale: JPEG (high, middle, low)

### Compression

- Internet Fax Mode: MM/VEF (option)

### Image Formats

- Monochrome: TIFF, JPEG, PDF, FDF, Encrypted PDF, and XPS
- Color/Grayscale: JPEG (high, middle, low)

### Internet Fax

- Internet Fax: T1-FX, T1-FX, and T5-F5

### Scan Destinations

- Email, Desktop, FTP, Folder, SMB, Web, Internet fax, Option: Standard 1.0

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*Some features require optional equipment. See your local dealer.

*May vary depending on product configuration, machine settings and operating and/or environmental conditions.

*Go to www.sharpusa.com for a list of supported devices and operating systems.