

ESSENTIALS SERIES COLOR DOCUMENT SYSTEMS



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

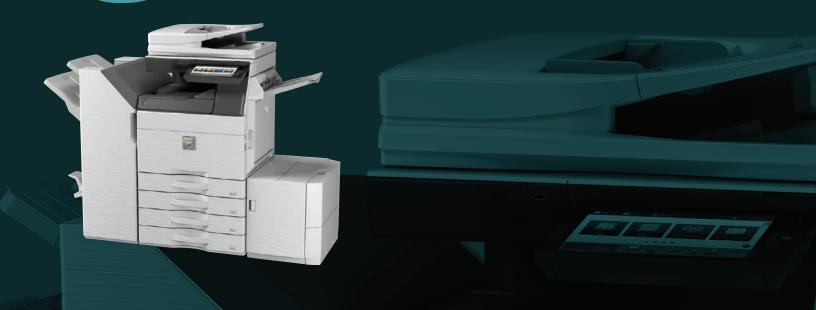
THE NEW BENCHMARK OF INNOVATION

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.

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.



DESIGNED TO DELIVER PERFORMANCE AND PRODUCTIVITY



EASE OF USE

ENHANCED INTEGRATION

VERSATILE PRODUCTIVITY

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.
- 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.
- 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.



ENHANCED FUNCTIONALITY - INTUITIVE DESIGN



Easy Copy Screen offers the most commonly used settings.



Standard Copy Screen offers more advanced features.



Available wireless network interface for convenient scanning and printing from mobile devices.

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.





MX-6050N shown with 3K saddle stitch finisher and large capacity cassette.

^{*}Requires optional equipment.

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

innovative features



Micro-fine Toner with Developer Refresh and advanced Image Process Control. These processes help ensure color output is always

at peak performance.



ENHANCED COLLABORATION FOR STREAMLINED WORKFLOWS



Direct print to popular file formats seamlessly with Sharp's available Direct Print Expansion Kit. ¹



Distribute, access and print documents more easily.



With Serverless Print Release technology you can securely print a job and release it from any of six color Essentials Series models.

¹ Some features require optional equipment and/or software/services.

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. 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 GmailTM. 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 **Air Print®**³, **MopriaTM**, **AndroidTM** print framework and **Google Cloud PrintTM** 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 up to six color Essentials Series models on your network. 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. 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.

² Go to www.sharpusa.com for a list of supported devices and operating systems.

³ Available July 2016.

TAKING CARE OF BUSINESS SAFELY AND SECURELY

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 SharpTM**, 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



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

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

secure single sign-on to network folders and emails. For an

optimized workflow experience, ID card authentication can

additional information visit: www.sharpusa.com/security.



ENVIRONMENTAL COMMITMENT



also be activated.







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 Specification	s		Main Specification	s (continued)	Network Scanning	System (continued)
MX-5050N/6050N Base models include multitasking controller, 100-sheet			Cloud Supported	Sharp Cloud Portal Office, Google Cloud Print, Google Drive,	One-touch	Up to 2,000 (combined scan destinations)
	RSPF and PCL 6 printing system, network scanning, auto		Services	OneDrive for Business, SharePoint Online	Destinations	
	duplexing, 1 x 550-sheet p	paper drawer, 100-sheet bypass	Network Protocols	TCP/IP (IPv4, IPv6, IPsec), HTTP/HTTPS, IPP/IPP-SSL,	Group Destinations	Up to 500
	tray. Black and color deve			FTP/FTPS, SNMPv3, SMTP/SMTP-SSL, P0P3/P0P3-SSL,	Programs	48 (combined)
Туре	Color multi-function digita			LDAP/LDAP-SSL, 802.1x for Windows and Unix.	Max. Jobs	Up to 100
Display		ed) color dot matrix high-resolution	Network Security	Includes IP/MAC address filtering, protocol filtering, port	Enhanced Email	Standard Gmail connector, standard Exchange connector
	touch panel tilting display. 1024 x 600 dots (W-SVGA)		Firmware	control, user authentication (local/LDAP/Active Directory®),	Integration	(on-premises)
Functions	Copy, print, network print, network scan, document filing and fax¹ Dry electrostatic transfer/Dual component developer/			TLS Encryption, Kerberos support	Scanning Protocols	HTTP/HTTPS, FTP/FTPS, SMTP/SMTP-SSL/ESMTP, SMB,
Copy System	Magnetic brush development/OPC drums/Belt fusing/white		Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote	Software	POP3, LDAP, S/MIME Sharpdesk® desktop personal document management software.
	LED exposure		wanayemem	Device Manager)	Sullware	(1 user license included), Sharpdesk Mobile (download)
Originals Sheets and bound documents		Device Setup	Web-based management/cloning with user/admin level login		(1 user license included), sharpuesk mobile (uownioau)	
Max. Original Size				Remote Front Panel, remote access to service logs and	Direct Print Expans	cion Kit (Ontion)
Copy Size	Min. 5½" x 8½", Max. 12	" v 18"	OCTVICE/T UTICUOTIS	click counts	File Types	TIFF, JPEG, PCL, PRN, TXT, PNG, DOCX, XLSX, and PPTX
Copy Speed	50/60 ppm B&W/Color (8)		Accessibility	Free stop tilting front panel, adjustment of key touch sound	The Types	Optional: PDF, Compact PDF, Encrypted PDF, and PostScript
Multiple Copy	Max. 9,999 copies	2 X 11)	Features	and speed, concave key, document feeder free stop, job	Methods	FTP, SMB, Web page, Email and USB memory
First Copy Time	MX-5050N	MX-6050N	r datar oo	programs, remote front panel, universal grip for paper trays	moundab	Tit , one, tree page, Email and oce memory
Seconds ²	Platen Glass Mono 3.7	Mono 3.7		and disable screen timeout	Optional Equipmen	t
	Color 4.8	Color 4.8	Environmental	International Energy Star Program Ver. 2.0, European RoHS,	MX-60ABD	Deluxe Copier Cabinet Base (with front door)
	RSPF Mono 6.1	Mono 6.1	Standards	Blue Angel (RAL-UZ171)	MX-DE25	Stand/1 x 550-sheet Paper Drawer
	Color 7.5	Color 7.5	Power Source	110-127 V AC, 60 HZ, 20 A Receptacle	MX-DE26	Stand/2 x 550-sheet Paper Drawers
Warm Up Time	15 seconds or less		Power Consumption	1 1.92 kW or less	MX-DE27	Stand/3 x 550-sheet Paper Drawers
Magnification	25% to 400% in 1% incre	ments (with document feeder	Weight	Approx. 180 lbs.	MX-DE28	Stand/1 x 550 + 2,100-sheet Split Tandem Paper Drawers
	25%-200%)		Dimensions	Approx. 24" (w) x 26" (d) 33" (h)	MX-DE29	Low Stand/1 x 550-sheet Paper Drawer
Original Feed	100-sheet RSPF with orig	inal size detection.			MX-LC17	3,000-sheet Large Capacity Cassette
Scan Speed	Copy: Up to 80 ipm (B&W)/	41 ipm (Color)	Network Printing S	System		(letter, requires MX-DE25/26/27/28)
	Scan: Up to 80 ipm (B&W/0		PDL	Standard PCL® 6 compatible, optional Adobe PostScript 3	MX-LT10	Long Paper Feeding Tray
Original Sizes		½" x 11" R, 8½" x 14", 11" x 17"	Resolution	1200 x 1200 dpi	MX-FN27	50-sheet Staple Inner Finisher
Paper Capacity	Standard: 650 Sheets/Ma	,	Print Speed	50/60 pages per minute (8½" x 11")	MX-FN28	1K Stacking 50-sheet Staple Finisher
Paper Feed		aper drawer (letter/legal/ledger/	Print Drivers	Windows Vista, Windows 7, Windows 8, Windows 8.1,	MX-FN29	1K Stacking 50-sheet Staple/Saddle Stitch Finisher
System		sheet bypass tray (letter/legal/ledger/		Windows 10, Windows Server® 2008, Windows Server	MX-FN30	3K Stacking 65-sheet Staple Finisher
		Optional: Single, double, or triple		2008 R2, Windows Server 2012, Windows Server 2012 R2,	MX-FN31	3K Stacking 65-sheet Staple/Saddle Stitch Finisher
		1,100, or 1,650 sheets), split tandem		Windows PPD, MAC OSX® (including 10.4 to 10.11), all	MX-RB25	Paper Pass Unit (required for MX-FN28/29/30/31)
		ts letter only) plus (1) 550-sheet		MAC PPD, Linux® PPD	MX-PN14B	3-Hole Punch Unit (requires MX-FN27)
D W. I . L. L.	paper drawer (letter/legal/		Mobile Printing	Sharpdesk Mobile ³ , Android print framework (Sharp Print	MX-PN15B	3-Hole Punch Unit (requires MX-FN28/29)
Paper Weights	Paper drawers: 18 lb. bon		Driet Factures	Service Plugin), Mopria Print Service	MX-PN16B	3-Hole Punch Unit (requires MX-FN30/31)
and Types	Split Tandem Tray: 18 lb.		Print Features	Auto configuration, serverless print release, bar code	MX-SCX1	Staple Cartridge for MX-FN27/28/29
	Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and color paper.			font printing, carbon copy print, chapter inserts, color	AR-SC2	Saddle-stitch Staple Cartridge for MX-FN29 Staple Cartridge for MX-FN30/31
	Bypass tray: 16-28 lb. bond (plain paper), 13-16 lb. bond			adjustment settings, color mode, confidential print, continuous printing, custom image registration, different	MX-SC11 MX-SC12	Saddle-stitch Staple Cartridge for MX-FN31
		110 lb. cover (heavy paper), 20-24		cover page/last page/other page, document control,	MX-TR19	Right Side Exit Tray
		0 envelope), tab paper (letter). Also		document filing, duplex printing, electronic sorting, folding,	MX-TR20	Job Separator Tray
		pre-printed, recycled, pre-punched,		form overlay, hidden pattern print, image rotation, image	MX-TU16	Center Exit Tray
	letterhead, color paper and OHP film.			stamp, image type, job bypass print, job retention, layout	MX-UT10	Utility Table
Duplexing	Standard automatic duplex copying and printing			print, margin shift, multiple pamphlet, network tandem	MX-EB11	Compact PDF Kit
CPU	Up to 1.75 GHz multi-processor design			print, N-up printing, offset stacking, page interleave,	MX-EB18	Wireless LAN
Interface		rnet, USB 2.0: 2 host ports (front and		pamphlet style, poster print, proof print, print and send,	MX-FX15	Fax Expansion Kit
		ort (rear), wireless 802.11 a/b/g/n		punching, stapling, tab paper print, tab printing, toner	MX-FWX1	Internet Fax Kit
Memory		(shared)/Hard Disk Drive: 250 GB		save mode, transparency inserts, tray status, user	MX-PF10	Bar Code Font Kit
Hard Disk Drive	250 GB			authentication, watermarks, zoom print	MX-PK13	Adobe® PostScript® 3™ Expansion Kit
Copy Resolution	Scan: Up to 600 x 600 dpi	(B&W/Color)	Resident Fonts	80 outline fonts (PCL), 139 fonts (PS)	MX-PU10	Direct Print Expansion Kit
	Output: Up to 1200 x 1200	dpi (B&W), up to 600 x 600 dpi (Color)	Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0, Wireless	AR-SU1	Stamp Unit (requires AR-SV1 Stamp Cartridge)
Color Modes	Auto Color Selection (ACS)	, Full Color Mode, Monochrome (B/W)	Operating Systems	Windows Vista, Windows 7, Windows 8, Windows 8.1,	AR-SV1	Stamp Cartridge
Exposure Control	Modes: Automatic, Text, 1	ext/Photo, Text/Printed-Photo,	and Environments	Windows 10, Windows Server® 2008, Windows Server 2008	MX-AMX1	Application Integration Module
	Printed-Photo, Photo, Map	, Pale-Color Document.		R2, Windows Server 2012, Windows Server 2012 R2,	MX-AMX2	Application Communication Module
	Settings: Auto or 9 step m	nanual		Mac OS X10.4-10.11, UNIX®, Linux, Citrix® (XenApp 5.0-7.6),	MX-AMX3	External Accounting Module
Halftone	256 gradations/2 levels (n	nonochrome)		Windows Remote Desktop Services, SAP device types ¹	MX-FR51U	Commercial Data Security Kit (not available at time of launc
Copy Features		ectronic sorting, offset-stacking,	Printing Protocols	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP, P0P3, HTTP,	DVENDFS	Generic Vendor Interface Kit
		, Auto Paper Selection (APS), Auto		Novell Pserver/Rprinter, LPD and LPR for Unix		
		MS), Auto Tray Switching (ATS),			Supplies	
			Network Scanning	•	MX-60NTBA	Black Toner Cartridge
			Scan Modes	Standard: Color, monochrome, grayscale	MX-60NTCA	Cyan Toner Cartridge
		age preview, insert pages, job build,	Max. Original Size		MX-60NTMA	Magenta Toner Cartridge
		, mirror image, mixed size original,		600 dpi	MX-60NTYA	Yellow Toner Cartridge
		riginal count, pamphlet style, proof	Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi	MX-60NVBA	Black Developer
		e copy, rotated copy, stamp, stamp	Image	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR)	MX-60NVSA	Cyan/Magenta/Yellow Developer
		ackground, tab copy, tab-paper	Compression	Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option) ¹	MX-60NRSA MX-607HB	Drum Toner Collection Container
	watermark, 2-in-1 / 4-in-1	ner save mode, transparency inserts,	Image Formats	Monochrome: TIFF, PDF, PDF/A, Encrypted PDF, and XPS	MIV-OU/ UR	TOTICI GOTIECTION GOTIMINEI
Account Control		rts user-number authentication, login	mayo i omata	Color/Grayscale: TIFF, JPEG, PDF, PDF/A, Compact PDF,		
ACCOUNT CONTINU				Encrypted PDF and XPS.	10	describeral and another the Control of the Control
Output Tray	name/password or login name/LDAP password Center Exit Tray (Main): 250 sheets (face down)			Internet Fax: TIFF-FX, TIFF-F, and TIFF-S ¹		uire optional equipment. See your local dealer.
Capacity	Job Separator (Upper Tray): 100 sheets (face down)		Scan Destinations	Email, Desktop, FTP, Folder (SMB), USB, Internet fax (option),	May vary depending and/or environment	g on product configuration, machine settings and operating
			Jour Doumandid	Super G3 fax (option)		
	Right Side Exit Tray: 100:	sneets (face down)				sa.com for a list of supported devices and operating systems.

















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