ESSENTIALS SERIES MONOCHROME DOCUMENT SYSTEMS

The new benchmark of innovation.

The Sharp MX-M5050 and MX-M6050 Essentials Series monochrome workgroup document systems offer crisp, high quality 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 monochrome 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 fast warm up time so users can spend less time at the MFP and more time on their business at hand.

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

Available compact inner finisher staples your output without increasing the footprint of the machine.

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

A flexible design plus multifunctional capability to deliver performance and productivity.

- Standard **100-sheet reversing single-pass document feeder** scans documents at speeds up to **80 images per minute** (ipm).

- 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.

- Large 10.1" (diagonally measured) **customizable touchscreen display** with a clean design enables easy access to features and functions when setting up jobs.

- **600 x 600 dpi** printing provides clear, crisp images and enhanced clarity for fine details such as small text and graphics.

- 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.**

- Available **Optical Character Recognition** (OCR) function can convert scanned documents to text-searchable PDF format, Microsoft Office file formats, and others.

- Available **Compact PDF** feature dramatically reduces the file size of most color scanned documents, resulting in decreased network traffic and more efficient use of disk and cloud storage.

- **Easily access popular cloud applications**, including Microsoft OneDrive® for Business, SharePoint® Online and Google Drive™ with Sharp's available Cloud Connect features.

- Direct print **Microsoft Word, Power Point®** and **Excel®** files from thumb drives, cloud applications, network folders and more with the optional Direct Print Expansion Kit, enabled via DirectOffice technology.

Main Specifications

MX-M5050/M6050	Base models include multitasking controller, 100-sheet RSPF and PCL 6 printing systems, network scanning, auto duplexing, 1 x 550-sheet paper drawer, 100-sheet bypass tray.
Type	Multi-function digital document system
Display	10.1" (diagonally measured) color dot matrix high-resolution touch panel tilting display. 1024 x 600 dots (W-SVGA)
Functions	Copy, print, network print, network scan, document filing and fax[1]
Copy System	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/Belt fusing/white LED exposure
Originals	Sheets and bound documents
Max. Original Size	11" x 17"
Output Size	Min. 5½" x 8½", Max. 12" x 18"
Copy Speed	50/60 ppm (8½" x 11")
Multiple Copy	Max. 9,999 copies

First Copy Time (in Seconds)[2]

		MX-M5050	MX-M6050
	Platen Glass	3.9	3.7
	DSPF	6.6	6.3

Warm Up Time	MX-M5050: 29 seconds (from main power switch on), 16 seconds (from [Power] button on) MX-M6050: 31 seconds (from main power switch on), 18 seconds (from [Power] button on)
Magnification	25% to 400% in 1% increments (with DSPF 25%-200%)
Original Feed	100-sheet RSPF with original size detection
Scan Speed	Copy: Up to 200 ipm (B&W)/106 ipm (Color) Scan: Up to 200 ipm (B&W/Color)
Original Sizes	5½" x 8½", 8½" x 11", 8½" x 11" R, 8½" x 14", 11" x 17"
Paper Capacity	Standard: 650 Sheets/Maximum: 6,300 Sheets
Paper Feed System	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).
Paper Weights and Types	Paper drawers: 16 lb. bond to 110 lb. cover. Split tandem drawers: 16 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.
Duplexing	Standard automatic duplex copying and printing
CPU	Up to 1.4 GHz multi-processor design
Interface	10/100/1000 Base-T Ethernet, USB 2.0: 2 host ports (front and rear), 1 available device port (rear), opt. wireless 802.11 b/g/n
Memory	Standard 5 GB copy/print (shared)/Hard Disk Drive: 500 GB
Hard Disk Drive	500 GB
Copy Resolution	Scan: Up to 600 x 600 dpi Output: Up to 600 x 600 dpi
Copy Modes	Monochrome/Grayscale
Exposure Control	Modes: Automatic, Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Color Document Settings: Auto or 9 step manual
Halftone	256 gradations/2 levels (monochrome)
Copy Features	Scan-Once Print-Many, electronic sorting, offset-stacking, 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
Account Control	Up to 1,000 users. Supports user authentication via local, LDAP, and Active Directory® for copy, print, scan and document management.
Output Tray Capacity	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)

Cloud Supported Services	Box, Google® Cloud Print, Google Drive, OneDrive® for Business, SharePoint® Online
Network Protocols	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.
Network and Data Security	Includes IP/MAC address filtering, protocol filtering, port control, TLS Encryption, Kerberos support, Active Directory integration, data encryption, End-of-Lease, data overwrite (up to 10x), DoD 5220.22-M
Firmware Management	Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Manager)
Device Setup	Web-based management/cloning with user/administrator level login
Service/Functions	Remote Front Panel, remote access to service logs and click counts
Accessibility Features	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
Environmental Standards	International Energy Star Program Ver. 2.0, European RoHS, Blue Angel (RAL-UZ171)
Power Source	110-127 V AC, 60 HZ, 15 A Receptacle
Power Consumption	1.44 kW or less
Weight	Approx. 141 lbs.
Dimensions	Approx. 24" (w) x 26" (d) 33" (h)

Network Printing System

PDL	Standard PCL® 6, Adobe PostScript 3
Resolution	600 x 600 dpi
Print Speed	50/60 pages per minute (8½" x 11")
Print Drivers	Windows 7, Windows 8.1, Windows 10, Windows Server® 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows PPD, MAC OS X® (including 10.6 to 10.12), all MAC PPD, Linux® PPD
Mobile Printing[1]	AirPrint®, Android™ printing framework (Sharp Print Service Plugin), Sharpdesk® Mobile[3]
Print Features	Auto configuration, serverless print release, bar code font printing, carbon copy print, chapter inserts, 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
Resident Fonts	80 outline fonts (PCL), 139 fonts (PS)
Interface	RJ-45 Ethernet 10/100/1000 Base-T, USB 2.0, Wireless
Operating Systems and Environments	Windows® 7, Windows 8.1, Windows 10, Windows Server® 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Mac OS X 10.6-10.12, UNIX®, Linux, Citrix® (XenApp 5.0-7.6), Windows Remote Desktop Services, SAP device types[1]
Printing Protocols	LPR, IPP, IPPS, Raw TCP (port 9100), FTP, POP3, HTTP, LPD and LPR for Unix

Network Scanning System

Scan Modes	Standard: Color, monochrome, grayscale
Max. Original Size	11" x 17"
Optical Resolution	600 dpi
Output Modes	600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi
Image Compression	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option)[1]
Image Formats	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[1]

Network Scanning System (continued)

Scan Destinations	Email, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
One-touch Destinations	Up to 2,000 (combined scan destinations)
Group Destinations	Up to 500
Programs	48 (combined)
Max. Jobs	Up to 100
Enhanced Email Integration	Standard Gmail connector, standard Exchange connector
Scanning Protocols	HTTP/HTTPS, FTP/FTPS, SMTP/SMTP-SSL/ESMTP, SMB, POP3, LDAP, S/MIME
Software	Sharpdesk desktop personal document management software (1 user license included), Sharpdesk Mobile (download)

Direct Printing System

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

Optional Equipment

MX-60ABD	Deluxe Copier Cabinet Base (with front door)
MX-DE25N	Stand/1 x 550-sheet Paper Drawer
MX-DE26N	Stand/2 x 550-sheet Paper Drawers
MX-DE27N	Stand/3 x 550-sheet Paper Drawers
MX-DE28N	Stand/1 x 550 + 2,100-sheet Split Tandem Paper Drawers
MX-DE29	Low Stand/1 x 550-sheet Paper Drawer
MX-LC17N	3,000-sheet Large Capacity Cassette (letter, requires MX-DE25N/26N/27N/28N)
MX-LT10	Long Paper Feeding Tray
MX-FN27N	50-sheet Staple Inner Finisher
MX-FN28	1K Stacking 50-sheet Staple Finisher
MX-FN29	1K Stacking 50-sheet Staple/Saddle Stitch Finisher
MX-FN30	3K Stacking 65-sheet Staple Finisher
MX-FN31	3K Stacking 65-sheet Staple/Saddle Stitch Finisher
MX-RB25N	Paper Pass Unit (required for MX-FN28/29/30/31)
MX-PN14B	3-Hole Punch Unit (requires MX-FN27)
MX-PN15B	3-Hole Punch Unit (requires MX-FN28/29)
MX-PN16B	3-Hole Punch Unit (requires MX-FN30/31)
MX-SCX1	Staple Cartridge for MX-FN27/28/29
AR-SC2	Saddle-stitch Staple Cartridge for MX-FN29
MX-SC11	Staple Cartridge for MX-FN30/31
MX-SC12	Saddle-stitch Staple Cartridge for MX-FN31
MX-TR19N	Right Side Exit Tray
MX-TR20	Job Separator Tray
MX-TU16	Center Exit Tray
MX-UT10	Utility Table
MX-EB18	Wireless LAN Adapter
MX-EB19L	Compact PDF Kit
MX-EB20L	OCR Expansion Kit
MX-FX15	Fax Expansion Kit
MX-FWX1L	Internet Fax Kit
MX-PF10	Bar Code Font Kit
MX-PK13L	Adobe PostScript 3 Expansion Kit
MX-PU10L	Direct Print Expansion Kit
AR-SU1	Stamp Unit (requires AR-SV1 Stamp Cartridge)
AR-SV1	Stamp Cartridge
MX-AMX1L	Application Integration Module
MX-AMX2L	Application Communication Module
MX-AMX3L	External Accounting Module
MX-FR56U	Commercial Data Security Kit
DVENDFS	Generic Vendor Interface Kit

Supplies

MX-561NT	Toner Cartridge
MX-561NV	Developer
MX-560DR	Drum
MX-609HB	Toner Collection Container

[1] Some features require optional equipment. See your local dealer.

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

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