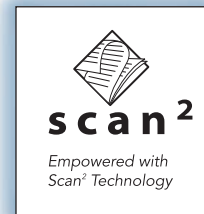# AR (M) 355N   AR (M) 455N

SHARP®

setting the standard for
multi-tasking and productivity.

With powerful copy, print, scan, and fax capabilities, the new Sharp AR-M355N and AR-M455N Digital IMAGER™ Document Systems will become the heart of your workgroup—and the center of productivity.
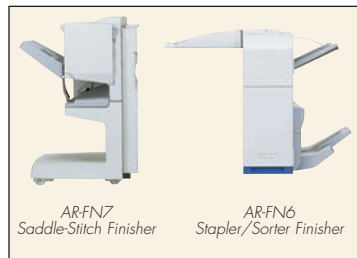
s c a n²

Empowered with Scan² Technology

Advanced, high-performance features for enhanced efficiency

❯ Innovative, Scan² Technology scans both sides of a 2-sided document in one pass—minimizing paper misfeeds, and maximizing productivity

❯ Fast 35/45 ppm print speed

❯ 50-sheet Duplex Single Pass Feeder for incredible efficiency

❯ True multi-tasking engine controller

❯ Standard document filing system enables users to easily archive documents

❯ Standard 40 GB Hard Drive offers heightened speed and processing power

❯ Auto Duplexing on stocks up to 97 lb. index

❯ IP/MAC Address Filtering with security-enabled NIC card

❯ New Card Shot feature conveniently copies both sides of an ID card onto a single sheet of paper

❯ Additional features include advanced job build, x-y zoom, dual page copy, cover pages, negative image, mixed image, image stamp, department control, and more.

❯ LDAP support with optional Network Scanner Expansion Kit

Versatile options for professional, on-demand finishing

❯ Optional Two-Tray Finisher or Saddle-Stitch Finisher which offers 3-position stapling, center folding, and 50-sheet stapling capacity
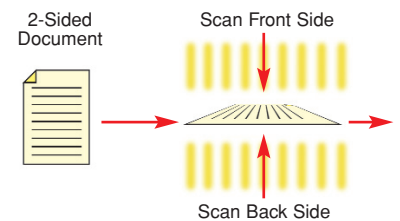
AR-FN7 Saddle-Stitch Finisher

AR-FN6 Stapler/Sorter Finisher

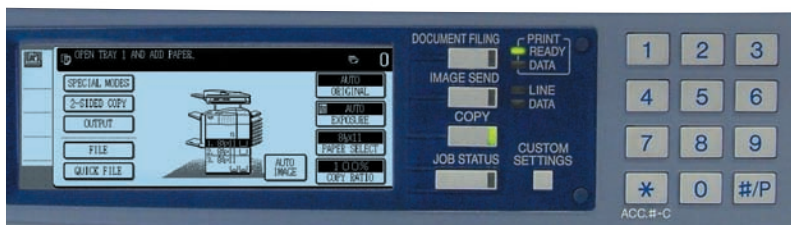*A choice of professional finishing options makes it easy to produce booklets, reports, and more in house.*

❯ Optional Mail Bin Stacker offers 250-sheet face-down delivery tray and seven 100-sheet mail bins to help you organize your output

Optional Super G3 faxing

❯ Super-fast, optional faxing transmits documents at an incredible 2 seconds per page*

2-Sided Document   Scan Front Side

Scan Back Side

Sharp's new Scan² Technology scans both sides of a document simultaneously to speed up your workflow.

The user-friendly touch screen LCD display with icon-driven graphics simplifies sophisticated features (N model shown)

Digital
iMAGER™
Advanced Workgroup System

*Based on ITU Test chart #1 in standard resolution. Actual transmission speed and time will vary based on line conditions.

Main Specifications

Base Models:	AR-M355N/M455N: includes multi-tasking controller, 40 GB Hard Drive, and PCL6 Network Printing System
Type:	Console, modular digital document system
Functions:	Copy, print, network print, network scan, and fax[1]
Copy System:	Dry electrostatic transfer system
Exposure Source:	Xenon lamp
Photoconductor:	OPC
Developer Type:	Dual component / magnetic brush development
Fusing System:	Heat roller
Originals:	Sheets, bound documents
Original Size (Max):	11" x 17"
Copy Size:	Min. 5 1/2" x 8 1/2", Max. 11" x 17"
Copy Speed:	35/45 copies per minute (8 1/2" x 11": Standard resolution)
Continuous Copy:	Max. 999 copies
First Copy Out Time:	4.9/4.4 Seconds (document glass); 6.0/5.3 Seconds (DSPF) (Based on letter size original with polygon motor running)
Warm-Up Time:	80 seconds or less
Magnification Range:	25% to 400% in 1% increments (with DSPF 25%-200%)
Fixed Magnification:	25%, 50%, 64%, 77%, 100%, 121%, 129%, 200, 400%
Original Feed System:	50-sheet duplex single pass feeder (DSPF) with original size detection (30 sheets for ledger/legal size)
Scan Speed:	Up to 45 OPM (letter size/standard resolution/1 side)
Original Sizes:	5 1/2" x 8 1/2", 8 1/2" x 11", 8 1/2" x 11" R, 8 1/2" x 14", 11" x 17" (15-34 lbs.)
Paper Feed System:	Standard: (1) 500-sheet 8 1/2" x 11" paper cassette Optional: (1) 2,500-sheet Multi-purpose desk (500-sheet MP drawer + 2,000 sheet letter size drawer, or (1) 1,500-sheet paper drawer (1 MP + 2 letter/legal/ledger drawers), or (1) 500-sheet MP drawer + optional cabinet.
Paper Type:	Standard and optional letter size paper drawers: 16-28 lb. plain bond paper. Other paper types include recycled, pre-printed, pre-punched, color, and letterhead.
Multi-purpose Drawers:	Plain paper (16-34 lbs.), letter/legal/ledger/ statement size paper, index paper (97 lbs.), cover paper (54-55 lbs.), transparency film (20 sheets), letterhead, envelopes, and labels.
Duplexing:	Optional duplex module AR-DU3, non-stacking duplexing unit or AR-DU4, non-stacking duplexing unit with 100-sheet manual bypass tray). Bypass paper types: plain paper (16-34 lbs.), tracing paper 14-15 lbs (single feed), index paper (97 lbs.), cover paper (54-55 lbs.), transparency film (20 sheets), letterhead, envelopes, and labels
Interface:	IEEE1284 parallel port, USB-2.0, RJ-45 (N models)
Controller Type:	300 MHz Multi-tasking
Memory (total):	128 MB shared, expandable to 384 MB with 256 MB DIMM
Hard Disk Drive:	40 GB; 16 GB for document filing/24 GB for enhanced copy, print, and scan operations
Copy Resolution:	Scan: 600 dpi; Copy output: 1200 dpi (equivalent)
Exposure Modes:	Text, text/photo, photo; auto; 9 step manual
Halftone:	256 gradations/2 levels
Copy Features:	Scan-Once Print-Many, electronic sorting, Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), auto tray switching, X-Y zoom, rotation copy, rotation sort, reserve copy, tandem copy (N models), book copy, margin shift, job build, edge erase, center erase, dual page copy, cover pages, insert pages, transparency insert, card shot, multi-shot, reverse image, mirror image, cover page, document filing, department control, job programs, date stamp, character stamp, and page stamp.
Department Control:	500
Job Build:	Up to 10,000 sheets
Output Tray Capacity:	Main output tray (top) up to 400 sheets (face down)
Firmware:	Flash ROM with local and remote update Management
Power Requirement:	AC 100-127 VAC, 60 HZ, 16 Amps
Power Consumption:	AR-M355: Max 1440 W, pre-heat 139.75 W, sleep mode 15 W AR-M455: Max 1440 W, pre-heat 178.25 W, sleep mode 20 W
Weight:	Approx. 128.9 lbs.[2]
Dimensions:	37 29/32" (w) x 26 11/64" (d) x 44 23/64" (h)[2]

PCL6 Network Printing System (standard)

Emulation:	PCL6 (XL), PCL5e, optional PS3
Resolution:	1200 dpi (equivalent), 600 dpi, 300 dpi
Print Speed:	35/45 pages per minute (8 1/2" x 11")
Print Drivers:	Windows 95/98/ME, NT4.0, 2000, XP, MAC PPD (optional)
Software:	Print drivers, Printer Status Monitor, Printer Administration Utility
ROPM:	Yes (rip once print many)
Features:	Duplex printing, booklet print, binding edge, N-up printing, different cover page/last page, transparency inserts, carbon copy print mode, continuous printing, fit to page, watermarks, PIN printing, print hold, proof print, print auditor, print smoothing, font/form downloads, and PDF/TIFF direct print function.[3] (Note: some features not available on certain print drivers).
Resident Fonts:	80 outline fonts standard, barcode fonts (optional)[4]
Network Interface:	RJ-45 Ethernet connection; 10/100 BaseT
Network Operating Systems:	Windows 95/98/ME/XP Professional/NT4.0/2000/2003 Server. Unix, Novell Netware 3.x/4.x/5.x, MAC OS 8.6, 9.2.2, 10.1.5, 10.2, 10.2.3 - 10.2.8, 10.3-10.3.3
Network Protocols:	TCP/IP for Windows and Unix environments, NetBEUI, IPX/SPX for Novell environments, and AppleTalk
Printing Protocols:	LPR, IPP, PAP, Raw TCP (port 9100), FTP, Novell NDS/ PServer/Rprinter
Network Security:	IP/MAC address filtering, protocol enable/disable

Network Scanning Kit (option)

Max. Original Size:	11" x 17"
Optical Resolution:	600 dpi
Output Mode:	200 dpi, 300 dpi, 400 dpi, 600 dpi
Image Formats:	G3/G4 TIFF, TIFF-F, TIFF-FX, G3/G4 PDF
Image Compression:	Uncompressed, G3 (MH), G4 (MH/MMR)
Scan Destinations:	E-mail, Desktop, FTP, Print, URL, Internet fax/G3 fax[5]
One-touch:	Up to 999 destinations[6]
Group Destinations:	Up to 500
Number of Senders:	Up to 999
Operating System:	Windows 95/98/ME, NT4, 2000, XP
Network Protocols:	TCP/IP (includes SMTP, LDAP, FTP, POP, ESMTP)
Scan Security:	E-mail server user authentication, scan restriction
Configuration Method:	Web-based with user/administrator level login security
Software:	Sharpdesk Document Management Software (10 user license)

Two-Tray Finisher (option)

Type:	Desktop finisher with dual exit trays (mounts on right side)
Output Trays:	Upper tray: Exit/Lower tray: Offset stack (face down)
Output Capacity:	Upper tray: 500 sheets (letter), also supports legal, ledger, statement size; Lower tray: 750 sheets (letter)
Stapling Media:	Plain paper, letter size
Stapling Positions:	1 front, 1 rear, or both
Max. Pages for Stapling:	30 sheets (letter size)
Dimensions:	18 7/64" (w) x 20 55/64" (d) x 20" (h)

Saddle-Stitch Finisher (option)

Type:	Console finisher with dual exit trays (mounts on left side)
Output Trays:	Upper tray: Offset stack tray/Lower tray: Book tray for saddle stitch
Output Capacity:	Upper/lower tray: 1000 sheets (letter)/500 sheets (legal/ledger), also supports statement size
Staple/Sort Capacity:	Up to 50 sets (up to output capacity above)
Output Delivery:	Face down
Stapling Media:	Plain paper, letter/legal/ledger size or mixed letter/ledger
Stapling Positions:	1 front, 1 rear, or both
Saddle-Stitch Function:	Center stitch/center folding (2 staples) letter/ledger paper sizes
Saddle-Stitch Sets:	Up to 10 sets (6-10 sheets)/up to 20 sets (1-5 sheets)
Max. Pages for Stapling:	50 sheets (letter size)/25 sheets (legal/ledger size)
Hole Punching:	Optional hole punch unit AR-PN1B (2 holes/3 holes)
Dimensions:	24 29/64" (w) x 23 47/64" (d) x 39 23/64" (h)

Mail Bin Stacker (option)

Type:	Desktop mail bin stacker with 8 tray exit (mounts on right side)
Output Trays:	Upper tray: Exit; Lower tray: 7 mail bins (face down)
Output Capacity:	Upper tray: Up to 250 sheets (letter), also supports legal/ledger/statement; Lower tray: Up to 100 sheets per bin (letter), also supports legal/ledger
Dimensions:	18 15/16" (w) x 20 55/64" (d) x 20" (h)

Super G3 FAX Kit (option)

Transmission Mode:	Super G3, G3
Modem Speed:	33.6 KBPS[7]
Compression:	JBIG, MMR, MR, MH
Scanning Method:	Sheet fed simplex or duplex or book
Max. Resolution:	400 DPI (ultra-fine)
Transmission Speed:	Approximately 2 Seconds with JBIG[7]
Auto-Dial Destinations:	Up to 999[6]
Group Destinations:	Up to 500
Long Length Originals:	Up to 31.5" (for transmission)
Programs:	8 profiles
Memory:	2 MB standard/10 MB max. (8 MB option)
Halftone:	256 levels
Timer functions:	Up to 50 jobs

Optional Equipment

AR-EF3	Scanner module[8]
AR-RK2	Scanner rack[8]
AR-D27	1,500-sheet paper drawer (1 MP + 2 letter/legal/ledger)[8]
AR-D28	2,500-sheet paper desk (2,000-letter + 500-sheet multi-purpose)[8]
AR-MU2	500-sheet multi purpose drawer (requires AR-45ABD cabinet)[8]
AR-45ABD	Cabinet[8]
AR-DU3	Standard duplexing unit (required for AR-FN7)
AR-DU4	Duplexing unit with 100-sheet bypass tray
AR-TE3	Exit tray (left exit)
AR-TE4	Upper exit tray (right exit)
AR-TE5	Right side cabinet/exit tray
AR-FN6	Two-tray finisher (right side mount)
AR-FN7	Saddle-stitch finisher (left side mount)
AR-PN1B	Hole-punch unit (for AR-FN7)
AR-MS1	Mail bin stacker (right side mount)
AR-PF1	Bar code font kit
AR-PK6	Postscript level 3 kit
AR-NS3	Network scanning kit
AR-FR21	Common Criteria DSK (for N models)
AR-FR21U	Commercial DSK (for N models)
AR-FR22	Common Criteria DSK (for U models)
AR-FR22U	Commercial DSK (for U models)
MX-AMX1	Application Integration Module [1, 9]
MX-AMX2	Sharp OSA Application Communication Module [1, 9]
MX-AMX3	Sharp OSA External Accounting Module [1, 9]
AR-FX12	Super G3 fax kit
AR-MM9	8 MB fax upgrade memory

Supplies

AR-455MT	Toner Cartridge
AR-455MD	Developer
AR-455DR	Drum cartridge

Design and specifications subject to change without notice.

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1 Some features require optional equipment.
2 Includes scanner, scanner rack, and multi-purpose desk.
3 Supports PCL/Text, TIFF, PDF, and PS3 files; requires AR-NS3 and AR-PK6.
4 Bar Code Fonts requires AR-PF1.
5 Requires optional AR-FX12 Super G3 facsimile expansion kit.
6 A combined total of 200 send-to-FTP and send-to-Desktop destinations on N Models can be stored.
7 Based on ITU Test chart #1 in standard resolution, actual transmission speed and time will vary based on line conditions.
8 Available with package. See your local Authorized Sharp Dealer.
9 MX-AMX2 and MX-AMX3 options cannot be used in conjuction with Data Security Kit (DSK) options.