

uncompromised productivity that gets the job done.

With high-performance features, innovative modularity, and exceptional reliability, the Sharp AR-M355U and AR-M455U Digital IMAGER™ Document Systems can easily adapt to meet your growing business needs.



Advanced, high performance features for improved productivity

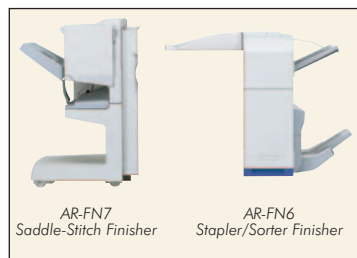
- › Innovative, Scan² Technology scans both sides of a 2-sided document in one pass—minimizing paper misfeeds, and maximizing productivity
- › Fast 35/45 ppm print speed
- › Scan-Once, Print-Many technology
- › 600 dpi resolution for superior quality text and graphics
- › Various image editing functions: Margin Shift, Edge/Center Erase, Dual Page Copy, and Multi-shot

Versatile paper handling

- › 50-sheet Duplex Single Pass Feeder
- › 3,100-sheet available paper capacity
- › Accepts up to 97 lb. index from available multi-purpose trays enables you to produce professional-looking documents in house
- › Job Build feature allows large jobs to be temporarily stored in memory, and then copied as a continuous set
- › New Card Shot feature conveniently copies both sides of an ID card onto a single sheet of paper

Flexible 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

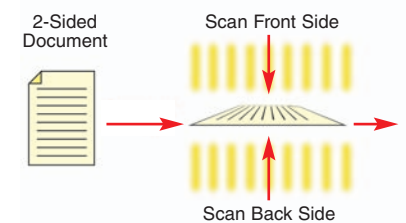


A choice of professional finishing options makes it easy to produce booklets, reports, and more in house.

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

Easily add multifunction capabilities

- › Powerful PCL6 Network Printing
- › Network scanning with LDAP
- › Data Security Kit
- › Super G3 Faxing



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)



Main Specifications

Base Models:	AR-M355U/M455U: includes multi-tasking controller
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
Controller Type:	300 MHz Multi-tasking
Memory (total):	128 MB shared, expandable to 384 MB with 256 MB DIMM
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, reserve copy, 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, department control, job programs, date stamp, character stamp, and page stamp.
Department Control:	500
Job Build:	Standard
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, 12 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 (option)

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)
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)
Interface:	IEEE1284 parallel port, USB-2.0, RJ-45, 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
Network Security:	IP/MAC address filtering, protocol enable/disable
Hard Disk Drive:	40 GB; 16 GB for document filing/24 GB for enhanced copy, (AR-P21 only)

Network Scanning Kit (option)⁴

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 Destinations:	Up to 500 (AR-P20)/999 (AR-P21) ⁶
Group Destinations:	Up to 300 (AR-P20)/500 (AR-P21)
Number of Senders:	Up to 500 (AR-P20)/999 (AR-P21)
Operating System:	Windows 95/98/ME, NT4, 2000, XP
Network Protocols:	TCP/IP (includes SMTP, LDAP, FTP, POP, ESMT)P
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 tray / Lower tray: Offset stack tray
Output Capacity:	Upper tray: 500 sheets (letter), also supports legal, ledger, statement size; Lower tray: 750 sheets (letter)
Output Delivery:	Face down
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 tray; Lower tray: 7 mail bins
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
Output Delivery:	Face down
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 500 ⁸
Group Destinations:	Up to 300
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
Features:	F-Code transmission/reception, transmit/receive polling, relay broadcasting, quick on-line, transaction reports, activity reports, anti-junk fax reception, out of paper memory reception, rotate transmit, and PC fax (with Network Printing System)

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-P20	PCL6 Network Printing System
AR-P21	PCL6 Network Printing System and 40 GB Hard Drive with Document Filing ⁹
AR-PF1	Bar code font kit ⁴
AR-PF2	Macro font flash ROM (AR-P20 only)
AR-PK6	PostScript level 3 kit ⁴
AR-NS3	Network scanning kit ⁴
AR-AM1T	Application Integration Module ¹⁰
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 Requires AR-P20 or AR-P21 option.
- 5 Requires optional AR-FX12 Super G3 facsimile expansion kit.

- 6 A combined total of 100 (AR-P20)/200 (AR-P21) send-to-FTP and send-to-Desktop destinations 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 Upgrades U model to N model functionality.
10. Requires AR-P21 Network Printing System and AR-NS3 Network Scanning Kit.



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