

SHARP®

AR (M) 237

AR (M) 277



network office solutions

COPY

PRINT

SCAN

FAX



Awarded to AR-M237
2004



Durability Tested
2004



Awarded to AR-M237/M277
2005



"IT Friendliness" Award
2005

Digital
IMAGER
Advanced Workgroup System

AR **M** 237

AR **M** 277

highlights

- › Touch-screen LCD display for easy operation
- › 100-sheet RADF
- › Mixed size original detection¹
- › New Card Shot feature conveniently copies both sides of an ID card onto a single sheet of paper
- › Automatic trayless duplex copying and printing
- › Electronic sorting
- › 48 MB total standard memory
- › Offset stacking with paper shifter
- › JBIG speed-enhanced PC printing system
- › USB-2.0 and IEEE 1284 bi-directional parallel interfaces
- › 1,100-sheet standard paper capacity expandable to 2,100 sheets
- › 100-sheet multi-sheet bypass tray
- › Integrated Super G3 Fax Option
- › Optional 1,000-sheet finisher
- › PCL6 and Postscript Level 3 option with advanced network security²
- › Advanced network scanning option with Available Application Integration
- › Optional Data Security Kit
- › Additional features include Job build, Stream feeding, Booklet copy, Dual page copy, Margin shift, Multi-shot copy, 100 department codes, Job programs, Edge erase, Image reversal, XY zoom, Image rotation



¹ Detects mixed legal/letter or mixed ledger/(lateral feed) letter sized originals

² IP/MAC address filtering and protocol control included with optional AR-P17 Print Controller

With state-of-the-art multifunction capabilities and advanced performance, the new AR-M237 and AR-M277 IMAGERs raise office productivity to a whole new level.

With today's accelerated pace of business, the ability to multi-task is essential. That's why Sharp designed the new AR-M237 and AR-M277 Digital IMAGERs. Truly versatile performers, the AR-M237/M277 IMAGERs are powerful, 23/27-ppm out-of-the-box multifunction copiers/printers designed for busy departments and workgroups. With standard features that include a 100-sheet reversing document feeder, auto-duplexing, and 1,200-dpi laser output, the AR-M237/M277 IMAGERs deliver the performance and reliability required in today's demanding workplace. And

best of all, you can add functionality as your business needs evolve.

Integrate powerful multifunction capabilities such as PCL6 and Postscript 3 network printing, advanced network scanning, Super G3 faxing, web-based management, and leading-edge security features that protect and safeguard your business.

Digital
iMAGER™
Advanced Workgroup System



The new AR-M237/M277 IMAGERs deliver the performance, versatility, and reliability required in today's demanding workplace.

Powerful Features in an Easy-to-Use, Ergonomic Design

Enhanced Copying at Your Fingertips

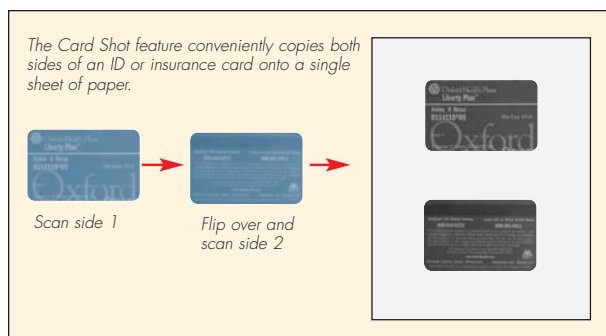
With a fast 23/27-ppm copy/print speed, the AR-M237/M277 IMAGERs were designed with advanced features to help you maximize productivity. With a standard 100-sheet RADF, electronic sorting, auto-duplex capability and 1,200 dpi output, these productive performers can tackle even the most complex jobs with ease. With an animated graphical interface, the user-friendly, touch-screen display makes using the AR-M237/M277 IMAGERs a breeze.



The 1,100-sheet standard on-line paper capacity can be expanded to 2,100 sheets.

Convenient Card Shot Feature

Now you can easily copy both sides of an ID or insurance card in 2 easy steps. The innovative Card Shot function holds the first side of the card in memory, captures the reverse side, and then copies both onto one side of paper—minimizing paper costs, and saving valuable time through improved workflow efficiency.



Multiple Sets in a Flash

Need to produce several multiple-page handouts for a presentation? It's easy with the Job Build feature. Just program the AR-M237/M277 IMAGERs and the job is complete, delivering up to 500 sheets total. And with the optional 1,000-sheet finisher or saddle-stitch finisher with available hole-punching, you'll have versatile output capabilities for truly professional results.



AR-F14
Saddle-Stitch Finisher

High-Quality Out-of-the-Box PC Printing

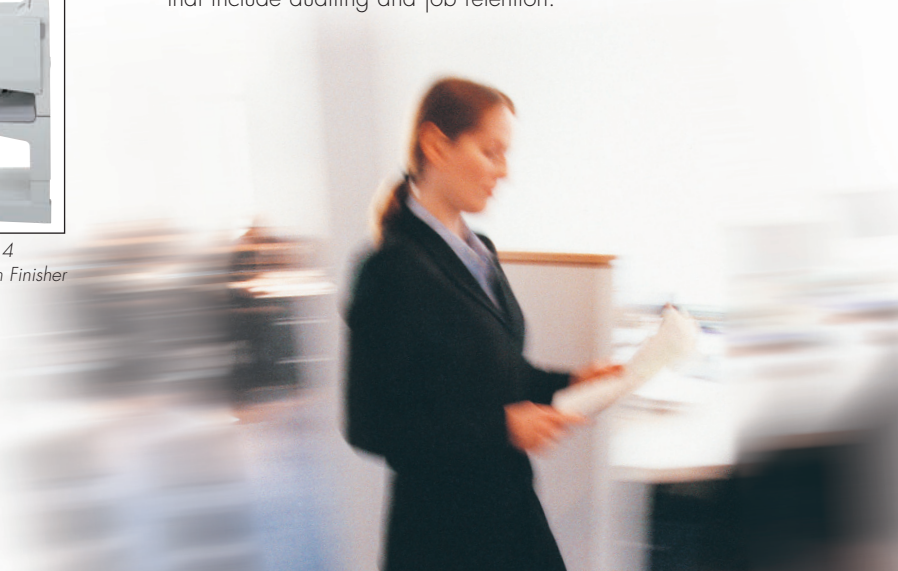
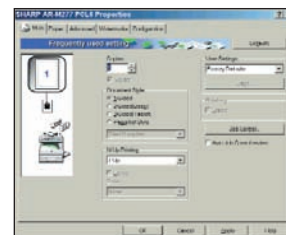
The Sharp AR-M237/M277 IMAGERs also offer impressive standard PC printing up to 1200 x 600 dpi (enhanced) resolution. For speedy printing, Sharp's host-based print controller utilizes JBIG compression, which reduces the job's file size. With a standard USB-2.0 interface and IEEE 1284 parallel interface, the AR-M237/M277 IMAGERs offer flexible connection alternatives to your computer.



The AR-M237/M277 IMAGERs also maximize your productivity with time-saving features including N-up printing, fit-to-page, auto-duplexing and sorting. With innovative, modular features, you can easily add networking and advanced printing emulations such as PCL6 and Postscript 3—as your business needs evolve.

Convenient, PCL6 Network Printing

Sharp's optional PCL6 Print Controller with standard imbedded networking combines best-in-class features with leading-edge digital technology—for even more performance and functionality. With 64 MB standard memory, 1,200-dpi true output resolution and 10/100baseT networking, the AR-M237/M277 IMAGERs print ultra-crisp documents over your network—right from the convenience of your desktop. And, with features that include Carbon Copy Print mode, cover pages, proof printing and optional form/font downloads, you get professional-looking, high-quality documents—without the cost of outsourcing. For cost accounting, you can also track print usage with advanced features that include auditing and job retention.



Exceptional Efficiency with Convenient Network Scanning

Distribute Documents Effortlessly with Optional Network Scanning

With the Network Scanning Kit, the AR-M237/M277 IMAGERs become powerful document distribution systems with features that include Scan to E-mail, Scan to Desktop, Scan to FTP, and Scan to URL. For optimum compatibility, scanned documents can be saved in today's most widely used file formats including PDF and TIFF.

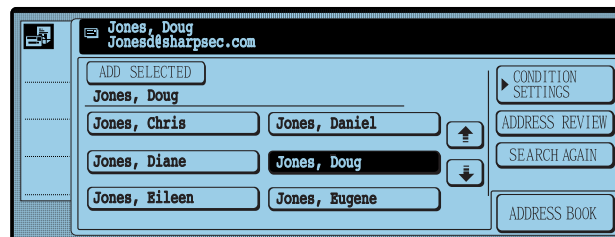
For security-conscious environments, the Sharp AR-M237/M277 IMAGERs also support User Authentication, giving you the ability to restrict network scan access to authorized users only.

NEW! Intelligent Application Integration

To help you manage your workflow, Sharp's optional Application Integration Module allows you to add information fields to your scanned documents, thereby automating tasks that once took several steps. This information is passed along with your document to an integrated application, enabling you to initiate your workflow right from the AR-M237/M277 IMAGERs touch-screen control panel.

Built-in LDAP Support

If you don't know a recipient's address, the built-in LDAP feature (Lightweight Directory Access Protocol) makes it easy to locate. Just enter the first few characters of the recipient's name, and select from an available list.



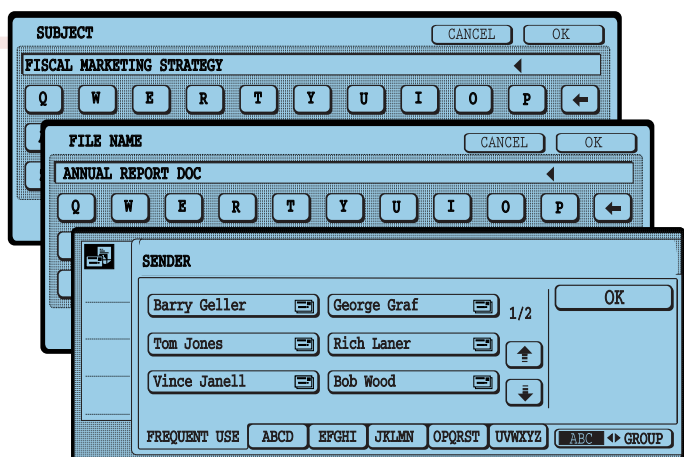
With the AR-M237/M277 IMAGER's Network Scanning Kit with LDAP, users only need to enter the first few characters of the destination e-mail address.

The AR-M237 and AR-M277 IMAGER Scan Destinations

e-mail

Scan to E-mail

The AR-M237/M277 IMAGER's advanced Scan to E-mail function allows users to send documents to any e-mail address with the touch of a few buttons. Additionally, you can enter a unique filename for the scanned document, as well as select the sender and enter information into the subject fields. When the recipient receives the e-mail, these fields reference specific information about the attached document.



Scan to Desktop

Scan documents directly to your desktop computer for storing, archiving, editing or routing. The network scanning option includes Sharpdesk™ Document Management software, which provides users with comprehensive, easy-to-use tools to edit and manage scanned documents.



Scan to FTP

Scan directly to an FTP server for special applications such as corporate-wide posting or archiving.



Scan to URL

Eliminate sending large files over the Internet by sending e-mail recipients a link to a scanned document instead. Scan to URL scans the document directly to an FTP site and generates a live link for your recipient. This is also good for sending documents to large groups.

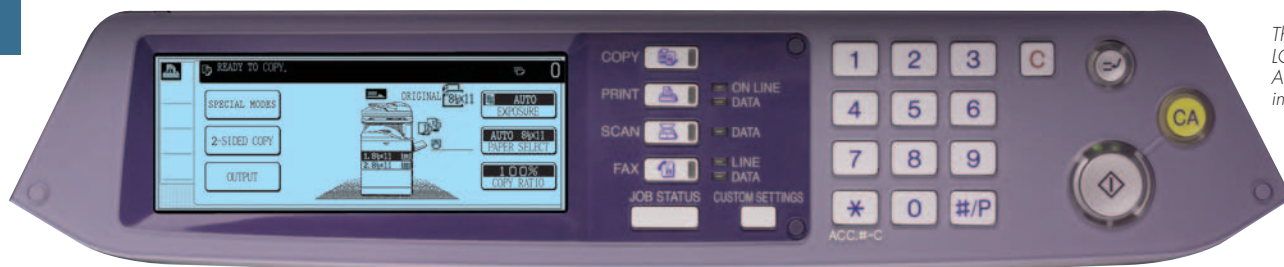
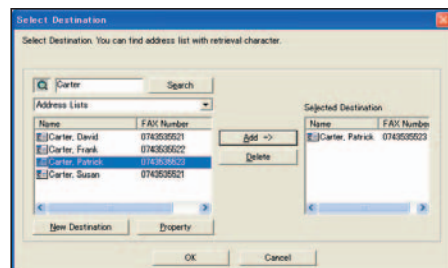
Super-Fast, Super G3 Fax Functionality

Fax Documents with Incredible Speed

With the optional Super G3 Fax Module, the AR-M237/M277 IMAGERS double as powerful workgroup facsimiles, enabling you to send documents quickly and easily. With sophisticated features such as duplex scanning, F-code communication, and ledger-size reception, the AR-M237/M277 IMAGERS can easily handle the demands of busy workgroups. Designed for heavy usage, you can easily broadcast up to 200 destinations, and can store up to 500 auto-dial numbers, all of which can be managed through the touch-screen display.



The Super G3 Fax Module also delivers powerful LAN fax functionality that allows users to transmit documents right from their desktop PC! With an intuitive PC fax driver, sending a fax from your desktop is as easy as printing a file.



The animated touch-screen LCD display makes the AR-M237/M277 IMAGERS incredibly easy to operate.

The Right Security for Your Business

Sharp's Layered Security Approach

To help secure your electronic documents and restrict access, the AR-M237/M277 IMAGERS offer several levels of network and data security to protect valuable data. A leader in office equipment security, Sharp enables IT professionals to safely deploy digital copying, printing, scanning and faxing—in any business or government environment.

- To **protect your printed documents** from unauthorized viewing, the AR-M237/M277 IMAGERS offer a Confidential Print feature, which requires users to enter a PIN code in order to print their queued document. (Available with AR-P17 Print Controller)
- To **protect your network** from unauthorized e-mail communications, the AR-M237/M277 IMAGERS support User Authentication which requires users to log in before performing any network scanning operations. (Available with AR-P17 Print Controller and AR-NS2 Network Scanning Kit)
- To **restrict access** to the AR-M237/M277 IMAGERS on your network, the IMAGER Home Page offers IP/MAC Address Filtering and port management. (Available with AR-P17 Print Controller)

- To **protect your data**, Sharp's optional Data Security Kit erases the memory in the AR-M237/M277 IMAGERS by overwriting the document data, offering an unprecedented level of assurance.

Sharp's scalable security offerings aim to protect your intellectual property, preserve confidential information and enable you to meet regulatory requirements, such as the Health Insurance Portability and Accountability Act (HIPAA) and the Gramm Leach Bliley Act (GLB). For additional information visit www.sharppusa.com/security



IP/MAC Address Filtering enables you to restrict access to the network.

User-Friendly Software to Optimize Efficiency

Sharp's Administration Utility Suite

To assist you in managing all the sophisticated features of the AR-M237/M277 IMAGERs, Sharp designed the **Administration Utility Suite**, a collection of easy-to-use tools and software that simplifies installation, monitoring and operation of your IMAGER.

- Web-based management for both users and administrators is incredibly convenient with the **IMAGER Home Page**. Right from the desktop, users can manage network scanning destinations and profiles, as well as access custom web links such as **My Sharp**, a dedicated customer-care website that offers solutions, resources, and information specific to your IMAGER. Administrators can access device configuration, network settings, IP filtering, and protocol control—without ever leaving their desk.



- Speed up the installation and configuration of printers on the network with **Printer Administration Utility (PAU)**. Designed primarily for IT Managers, PAU also provides the convenience of monitoring any SNMP-compliant printer on the network—right from the desktop.
- For desktop users, the **Printer Status Monitor's** easy-to-use interface allows you to view printer conditions, check paper levels, toner and more—before you send your job.
- For maximum uptime, Sharp's **Remote E-mail Diagnostics (R.E.D.)** enables IT Managers and Authorized Sharp Dealers to automatically receive e-mails regarding operation and performance of their IMAGER.

The Sharp Administration Utility Suite



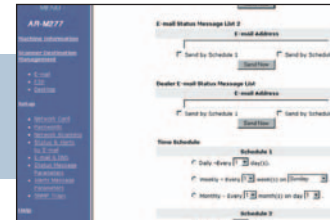
Imager Home Page



Printer Administration Utility



Printer Status Monitor



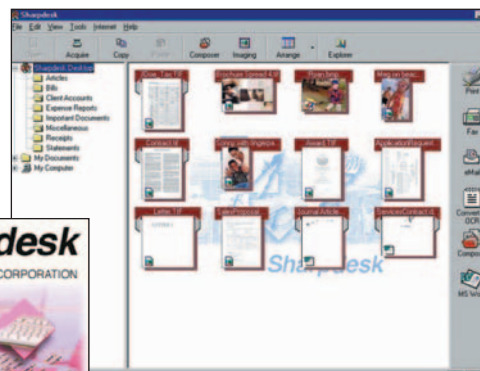
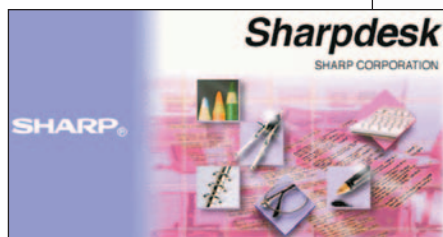
Remote E-Mail Diagnostics

Powerful Document Management with Sharpdesk™

Powerful, flexible and intuitive, Sharpdesk enables you to easily integrate scanned documents into your everyday workflow. The interface is familiar and easy to use and allows you to view document thumbnails in over 200 file formats. Easy-to-use tools help you organize, edit—even combine scanned files—for maximum productivity.



Best Desktop Utility



AR-M237/M277 IMAGER Copier Specifications

Type:	Digital duplex copier-based MFP
Standard Functions:	Copy, PC Print
Optional Functions:	Network Printing, Network Scanning, Super G3 Fax
Copy System:	Dry electrostatic transfer system
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:	23/27 copies per minute (8 1/2" x 11") 16/18 copies per minute (8 1/2" x 11"R) 13/16 copies per minute (8 1/2" x 14") 12/14 copies per minute (11" x 17")
Continuous Copy:	Maximum 999 copies
First Copy Out Time:	4.8 seconds or less
Warm Up Time:	23 seconds or less
Zoom Range:	25% to 400% in 1% increments (with RSFP 50%-200%)
Fixed Zoom Mode:	25%, 50%, 64%, 77%, 100%, 121%, 129%, 200%, 400%
Exposure System:	Fixed optical source, slit exposure (stationary platen) with automatic exposure
Original Feed System:	Standard: 100-sheet reversing single pass document feeder (RSFP) with stream feeding mode, mixed letter/legal size original detection, and mixed (lateral feed) letter/ledger original size detection.
Paper Feed System:	Standard: (2) 500-sheet paper cassettes Standard: (1) 100-sheet manual bypass tray Optional: (1) 500-sheet paper feed unit or (1) 1000-sheet paper feed unit (500 x 2)
Paper Type:	Paper Cassettes: 15-21 lb. standard or recycled bond, or 21-28 lb. special paper. Bypass Tray (multi-sheet feed): Up to 100 sheets 14-21 lb. standard or recycled bond paper, up to 40 sheets for OHP film and labels, up to 30 sheets for 21-54 lb. thick paper, up to 5 sheets for envelopes (#10), Bypass (single-sheet feed tray): 14-34 lb. standard or recycled bond paper, OHP, labels, and thick paper up to 54 lb.
Memory (total):	48 MB total (includes electronic sorting), up to 1,024 MB option
Electronic Sort	Up to 100-sheet electronic sorting (shared shared Function: memory), group copy, rotation copy, 2-in-1 copy / 4-in-1 copy, edge erase, center erase, and margin shift
Copy Resolution:	Scan: 600 dpi; Copy output: 1,200 dpi
Exposure Modes:	Super photo mode: 1,200 dpi, Photo mode: 600 dpi, Auto exposure: 600 dpi
Half-tone:	256 gradations/2 levels
Copy Features:	Scan-Once PrintMany, electronic sorting, Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), auto tray switching, manual zoom, job build, split scan, booklet copy, multi-shot, reverse image, cover page, depart- ment control, job programs, auditor/coin vend ready, toner save mode, and total counter
Department Control:	100 profiles
Job Programs:	10 profiles
Output Tray Capacity:	Main output tray 500 sheets (face down), 100 sheets in optional Job Separator Tray, and 1,000 sheets in optional finisher (output tray is user selectable)
Offset Stacking:	Standard paper shifter for main output tray
Power Requirement:	AC 120 V, 60 HZ, 12 Amps
Power Consumption:	Maximum 1,400 W, pre-heat 90 W, sleep mode 1 W
Weight:	Approximately 112 pounds
Dimensions:	24.5" (w) x 23.9" (d) x 30.9" (h)

JBIG Speed-Enhanced Printer Function (standard)

Emulation:	Sharp SPLC host-based with JBIG compression
Resolution:	600 dpi, 1200 x 600 dpi (enhanced)
Print Speed:	15 pages per minute (single print mode), 23/27 pages per minute (ROP mode)
Operating Systems:	Windows® 95/98/ME, NT4.0, 2000, XP
Memory:	Shared
Features:	Two sided printing, N-up printing, paper source selection, output tray selection, fit to page, image adjustment, watermarks, smoothing, photo enhancement, and ROPM
PC Interface:	Standard: IEEE 1284 (ECP) parallel port, USB 2.0 port

AR-P17 Print Controller (optional)

Emulation:	PCL6 (XL), PCL5e, PS3 (optional)
Resolution:	1,200 dpi, 600 dpi, 300 dpi
Print Speed:	23 pages per minute
Operating Systems:	Windows 95/98/ME, NT4.0, 2000, XP, MAC OS 8.6 through 9.x, MAC OS 10.1 or later
Software:	Print driver, Printer Status Monitor, Printer Administration Utility, PC fax driver ¹
Memory:	64 MB standard, expandable to 320 MB
RIP-Once PrintMany:	Yes (managed by host machine)
Features:	Binding edge, N-up printing, different cover page/last page, transparency inserts, carbon copy print mode, continuous printing, overlay, fit to page, watermarks, PIN printing, print hold, proof print, print auditor, print smoothing, offset print, font/form downloads, and direct print function ²
PC Interface:	Standard: IEEE 1284 (ECP) parallel port, USB 2.0 port

Network Support

Hardware Interface:	RJ-45 Ethernet connection
Type:	10/100 BaseT
Network Operating Systems: ³	Windows 95/98/ME/XP Professional/ NT4.0/2000/2003 Server, Sun Solaris 2.3 to 2.5/2.6, HP-UX 9.x/10.x, AIX 4.x.x, BSD Linux, Unix, Novell Netware 3.x/4.x/5.x/6.0, MAC OS
Network Protocols: ³	TCP/IP for Windows, Novell, Apple/Macintosh, and Unix environments, IPX/SPX for Novell environments, and AppleTalk for Macintosh® environments
Printing Protocols: ³	LPR, IPP, Raw TCP (port 9100), HTTP, Novell NDS/ PServer/Rprinter (Bindery)/ NDPS (TCP/IP)
Network Security:	IP/Mac Address Filtering, protocol enable/disable

AR-NS2 Network Scanning Kit (optional)⁴

Type:	Flat bed monochrome scanning system
Original Feed System:	Platen/document feeder, simplex/duplex with RSFP feeds up to 39 opm
Resolution:	200 dpi, 300 dpi, 600 dpi
Image Format:	TIFF 6.0, ITU-T G3/G4 TIFF, G3/G4 single/multi-page PDF
Scan Destinations:	E-mail, Desktop, FTP, URL
Destination Profiles:	Up to 200
Operating System:	Windows 95/98/ME, 2000, XP
Network Protocols:	TCP/IP (includes SMTP, LDAP, FTP)
Network Security:	E-mail server user authentication
Software:	Sharpdesk Document Management Software (included)

AR-FX7 Super G3 Fax Kit (optional)

Transmission Mode:	Super G3, G3
Modem Speed:	33.6 KBPS ⁵
Compression Methods:	JBIG, MMR, MR, MH
Scanning Method:	Sheet fed simplex or duplex or book
Max. Transmit	400 dpi (ultra-fine)
Resolution:	
Transmission Speed:	Approximately 2 seconds with JBIG ⁵
Auto Dialing Methods:	500 auto dial/group dial destinations
Group Dialing:	Up to 200 destinations
Broadcasting:	Up to 200 destinations
Programs:	8 profiles
Department Control:	100 profiles
Memory:	2 MB standard/10 MB max. (8 MB option)
Half-tone:	256 levels
Timer Functions:	Up to 50 jobs
Features:	F-Code transmission/reception, confidential communication, quick on-line transmission, anti-junk fax reception, out of paper memory reception, and PC faxing

Optional Equipment

AR-D21	500-sheet x 1 drawer paper feed unit
AR-D22	500-sheet x 2 drawers paper feed unit
AR-FN5N	1,000-sheet Finisher/30-sheet stapler
AR-TR3	Job Separator Tray
AR-P17	PCL6 Print Controller with network interface
AR-PK1N	Postscript Level 3 Kit ^{3, 4}
AR-NS2	Network Scanning Kit ^{4, 6}
AR-AMIT	Application Integration Module ⁷
AR-NC5J	Network Interface Card (protocol expansion)
AR-FX7	Super G3 Fax Kit
AR-MM9	8 MB fax upgrade memory
AR-PF1	Bar Code Font Kit ⁴
AR-PF2	Macro Font Flash ROM Kit ⁴
AR-FR12U	Commercial Data Security Kit
AR-FR12M	Common Criteria Data Security Kit
AR-237ABL	Low Stand (use with 3 or 4-tray configuration)
AR-237ABH	High Stand (use with 2-tray configuration)

Supplies

AR-270MT	Toner Cartridge
AR-271MD	Developer
AR-271DR	Drum Cartridge

¹ Requires optional AR-FX7 Super G3 Fax Kit.² Requires AR-PK1N.³ Certain network operating systems and protocols may require optional AR-NC5J NIC; see your local authorized Sharp dealer for details.⁴ Requires AR-P17 Print Controller.⁵ Based on ITU Test chart #1 in standard resolution, actual transmission time will vary based on line conditions.⁶ Requires 128 MB memory upgrade on AR-P17.⁷ Requires AR-P17 and AR-NS2 + 128 MB memory upgrade.

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This machine has been tested for conformance with US government Section 508 legislation regarding accessibility. For additional information visit www.sharppusa.com.

As an ENERGY STAR® Partner, SHARP has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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