# AR (M) 550N   AR (M) 620N   AR (M) 700N

**SHARP®**

## do more than you ever thought possible with best-in-class copy, print, scan and fax features

**scan²**

*Empowered with Scan² Technology*

### High performance features

- 55/62/70 ppm print speed
- 600 dpi resolution
- 150-sheet Duplex Single Pass Feeder
- Scan² Technology scans both sides of a 2-sided document in one pass— minimizing paper misfeeds
- TIFF and PDF Direct Printing offer enhanced efficiency
- Duplex Printing on up to 110# index from three different trays
- Standard Tandem Printing "via the network" for double the productivity— up to 140 ppm with two AR-M700 IMAGERs

### Network device and data security

- Confidential Printing with 5-digit PIN code access
- User Authentication to control network scanning activity
- IP/MAC Address Filtering
- Optional Data Security Kit with 128-bit encryption (available Summer 2004)
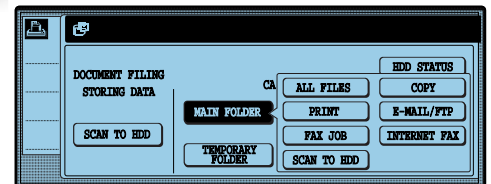
### Document workflow software

- Integrate scanned documents into your everyday workflow with Sharpdesk™ software (optional Network Expansion Kit required)
- Capture, organize, retrieve, and secure documents with Doc2NET, an enterprise-level solution that simplifies document archiving and storage (optional)
- Automatically route documents to a fax or e-mail address, MFP, printer, or FTP site—plus customize forms, invoices, and other transactional documents with Reform Enterprise (optional)
- Monitor and track printer usage with Equitrac's® PrintLog Accounting Server (optional)
- Satisfy spikes in printing during crunch time with Callisto's™ Print Queue Management capabilities (optional)
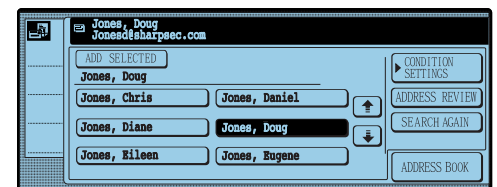
### Powerful network scanning capabilities

- ImageSEND for quick, convenient scanning and distribution of files
- Standard document filing of up to 20,000 pages with enhanced security controls
- LDAP support (Lightweight Directory Access Protocol) minimizes manual entry of addresses
- Super G3 facsimile with 2-second transmission time
- PC faxing enables users to fax directly from a desktop application
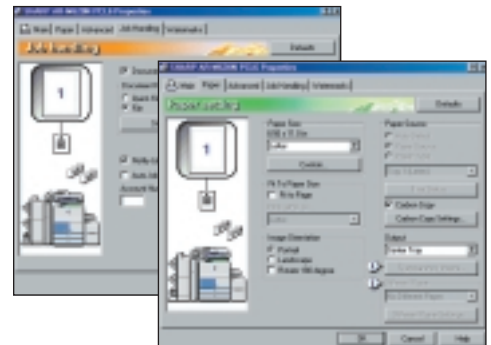
### Advanced LAN and enterprise management compatibilities

- Extended compatibility for the enterprise with industry-leading EMS software providers ensure that Sharp IMAGERs work within your existing network seamlessly



*Standard built-in document filing makes it easy to store your scanned images—and keep them secure.*



*With LDAP, users only need to enter the first few characters of the destination e-mail address—so sending a file is incredibly quick.*



*Print driver screens are easy to navigate, enabling users to select options from various tabs.*

**Digital IMAGER™**
Advanced Workgroup System

## Main Copier Specifications

| | |
|---|---|
| **Type:** | Console |
| **Print System:** | System (laser) |
| **Copy System:** | Dry electrostatic transfer system |
| **Originals:** | Sheets, bound documents |
| **Copy Size:** | Min. 5 1/2" x 8 1/2", Max. 11" x 17" |
| **Exposure System:** | OPC |
| **Developer System:** | Dry-type two-component magnetic brush development |
| **Paper Feed System:** | 4 trays and bypass tray |
| **Fusing System:** | Heat roller |
| **Resolution:** | Scan: 600 x 600 dpi |
| | Output: 600 x 600 dpi |
| **Gradations:** | Scan: 256 levels |
| | Printing: 2 levels |
| **Originals:** | Sheets, bound documents |
| **Copy Paper:** | Plain paper and special papers |
| **Copy Sizes:** | Max. 11" x 17", min. 5 1/2" x 8 1/2"R, Postcard |
| | Image loss: Max. 11/64" (leading edge and trailing edge in total), max. 11/64" (along all other edges in total) |
| **Warm-Up Time:** | 120 seconds or less |
| **First-Copy Time:** | 3.9 seconds or less (when A4 size paper is fed horizontally from tray 1) |
| **Copy Ratio:** | Variable 25 to 400% in 1% increments |
| | Fixed Presets: 25%, 64%, 77%, 100%, 121%, 129%, 200%, 400% |
| **Continuous Copy:** | 999 copies |
| **Hard Drive Capacity:** | 40 GB; 16 GB partition for document filing capability |
| **Expansion DIMM Slot:** | 1 slot (64 MB, 128 MB or 256 MB can be installed) |
| **Dimensions:** | 28 43/64" (W) x 26 47/64" (D) x 46 15/16" (H) |
| | When bypass tray is extended: 49 47/64" (W) x 26 47/64" (D) x 46 15/16" (H) |
| **Weight:** | AR-M550U, AR-M550N, AR-M620U, AR-M620N: Approx. 408 lbs. |
| **Overall Dimensions:** | 49 49/64" (W) x 26 47/64" (D) |
| **Required Power Supply:** | AC 120V, 60Hz, 16A |
| **Power Consumption:** | 1.8 KW |

## Network Scanner Expansion Kit Specifications (AR-NS3)

| | |
|---|---|
| **Maximum Original Size:** | 11"x17" |
| **Two-sided Originals:** | Possible |
| **Optical Resolution:** | 600 dpi |
| **Output Resolution:** | E-mail/FTP: 200 x 200, 300 x 300, 400 x 400, 600 x 600 dpi |
| **Internet-Fax:** | 200 x 100, 200 x 200, 200 x 400, 400 x 400 dpi |
| **Output Modes:** | 1bit/pixel |
| **Halftone Processing:** | Error dispersion (Black and white 150/200/300/400/600 dpi) |
| **File Format:** | E-mail/FTP File type: PDF/TIFF |
| | Compression mode: NONE/MH (G3)/MMR (G4) |
| | Internet-Fax File type: TIFF-F |
| | Compression Mode: MH(G3)/MMR(G4) |
| **File Creation Method:** | Specified pages per file/One file for all pages |
| **Scan Destinations:** | Send to FTP, Send to Desktop, Send to E-mail, Internet-Fax |
| **Supported Client PC Operating Systems:** | Windows 95/Windows 98/Windows Me/Windows NT4.0/ Windows 2000/Windows XP |
| **Management System:** | Uses built-in Web server |
| **Web Browser:** | Internet Explorer 5.5 or later, Netscape Navigator 6.0 or later |
| **Network Protocol:** | TCP/IP, UDP/IP |
| **LAN Connectivity:** | 10Base-T/100Base-TX |
| **Supported Mail System:** | Mail servers supporting SMTP |
| **Number of Destinations:** | 999 maximum* |
| **Number of Senders:** | 999 maximum |

## Optional Large Capacity Tray Specifications

| | |
|---|---|
| **Paper Size:** | 8 1/2" x 11" (the paper size can only be changed by a service technician) |
| **Paper Weight:** | 16 to 28 lbs. |
| **Paper Capacity:** | (plain) 3,500 sheets 20 lbs. |
| **Dimensions:** | 14 23/32" (W) x 21 31/64" (D) x 20 3/8" (H) |
| **Power Supply:** | Supplied from the main unit |
| **Weight:** | Approximately 63 lbs. |

## Optional Punch Unit Specifications (AR-PN4B)

| | |
|---|---|
| **Hole Punching:** | 2 or 3 holes |
| **Page Weight:** | 16 to 140 lb. index |

## Optional Two-Tray Finisher Specifications (AR-F15)

| | |
|---|---|
| **Number of Trays:** | 2 |
| **Paper Output:** | Face down output |
| **Paper Capacity:** | Upper paper tray/Middle paper tray: |
| | **Non-stapling:** 2,000 sheets of paper: 8 1/2" x 11", 5 1/2" x 8 1/2"R, 20 lbs. |
| | 1,000 sheets of paper: Sizes other than the above |
| | **Stapling:** 100 sets or 750 pages of 8 1/2" x 11" paper; |
| | 100 sets or 500 pages of other sizes of paper |
| **Paper Size:** | Upper paper tray/Middle paper tray: 11" x 17", 8 1/2" x 14", 8 1/2" x 13", 8 1/2" x 11", 8 1/2" x 11"R, 7 1/4" x 10 1/2"R, 5 1/2" x 8 1/2"R |
| **Page Weight:** | Upper paper tray/Middle paper tray: 16 to 68 lbs. |
| **Allowed Paper Sizes for Stapling:** | Upper paper tray/Middle paper tray: 11" x 17", 8 1/2" x 14", 8 1/2" x 13", 8 1/2" x 11", 8 1/2" x 11"R |
| **Maximum Number of Sheets for Stapling:** | Top left corner stapling: Portrait 50 sheets; Landscape 30 sheets |
| | Lower left corner stapling: Portrait 50 sheets; Landscape 30 sheets |
| | Center left stapling: Portrait 50 sheets; Landscape 30 sheets |
| **Stapling Positions:** | 1 place at back, 1 place at front, one place at front (diagonal), 2 places |
| **Dimensions:** | 32 1/64" (W) x 24 13/16" (D) x 45 9/32" (H) |
| **Weight :** | Approx. 113 lbs. |

## Optional Saddle-Stitch Finisher Specifications (AR-F16)

| | |
|---|---|
| **Number of Trays:** | 3 |
| **Paper Output:** | Face down output |
| **Paper Capacity:** | Upper paper tray/Middle paper tray: |
| | **Non-stapling:** 2,000 sheets of paper: 8 1/2" x 11", 5 1/2" x 8 1/2"R 20 lbs. |
| | 1,000 sheets of paper: Sizes other than the above |
| | **Stapling:** 100 sets or 750 pages of 8-1/2" x 11" paper |
| | 100 sets or 500 pages of other sizes of paper |
| | Lower tray: Stapled print capacity is 11–15 sheets x 10 sets, 6–10 sheets x 20 sets, 1–10 sheets x 25 sets |
| **Paper Size:** | Upper paper tray/Middle paper tray: 11" x 17", 8 1/2" x 14", 8 1/2" x 13", 8 1/2" x 11", 8 1/2" x 11"R, 7 1/4" x 10 1/2"R, 5-1/2" x 8 1/2"R |
| | Lower tray: 11" x 17", 8 1/2" x 11"R, A3, B4, A4R |
| **Allowed Paper Sizes for Stapling:** | Upper paper tray/Middle paper tray: 11" x 17", 8 1/2" x 14", 8 1/2" x 13", 8 1/2" x 1", 8 1/2" x 11"R |
| | Lower tray: 11" x 17", 8 1/2" x 11"R |
| **Maximum Number of Sheets for Stapling:** | Top left corner stapling: Portrait 50 sheets; Landscape 30 sheets |
| | Lower left corner stapling: Portrait 50 sheets; Landscape 30 sheets |
| | Center left stapling: Portrait 50 sheets; Landscape 30 sheets |
| | Saddle-stitch: Landscape only 15 sheets |
| **Stapling Positions:** | 1 place at back, 1 place at front, one place at front (diagonal), 2 places |
| **Dimensions:** | 32 1/64" (W) x 24 13/16" (D) x 45 9/32" (H) |
| **Weight :** | Approx. 157 lbs. |

*A total of 999 destinations can be stored, including E-mail, FTP, Desktop, Internet-Fax, and Group destinations. Among these, a combined total of 100 Send to FTP and Desktop destinations can be stored.*