

## A Versatile Task Force for Everyday Document Demands



### Efficient Copying

- Speedy output of max. 31/25 cpm and fast first copy time of 4.5/4.8 seconds
- Automated job finishing options include saddle stitch finisher and finisher
- Optional 100-sheet Reversing Single Pass Feeder and standard stackless duplex module for efficient two-sided copying
- Productive Scan Once/Print Many, electronic sorting, and offset stacking
- Versatile editing functions include card shot, dual page copy, multi shot, edge/centre erase, B&W reverse, etc.
- Job Build function for large-volume documents

### Powerful Printing

- Standard Sharp Printer Language with Compression (SPLC) speeds up data transfer time and printing process
- RIP Once/Print Many function for efficient printing of max. 31/25 ppm
- Upgradeable to network printing; supports the latest network protocols and operating systems
- Network utilities: Printer Administration Utility allows easy network setup and Printer Status Monitor allows remote printer status monitoring
- Advanced functions\*<sup>1</sup> include job retention, direct PDF/TIFF printing, carbon copy print, duplex print, font/form download, pamphlet style, etc.
- Optional PCL5e/PCL6 and PS3 emulation

### Network Scanning (option)

- Optional network scanning with scan to e-mail/FTP server/desktop, and support for TIFF and PDF formats
- Sharpdesk for integrated, intuitive document management on a PC
- LDAP support for easy browsing of e-mail addresses

### Versatile Faxing (option)

- Super G3 modem and JBIG compression for fast transmission
- PC-fax function enables fax transmission from a PC
- Max. 500-number one-touch auto dialling
- Fax transmission and reception of two-sided documents

### Multi-Layered Security

- Secure network interface card\*<sup>2</sup> with IP/MAC address filtering
- Optional Data Security Kit erases data retained inside the machine
- SSL and IPsec\*<sup>3</sup> enable secure network communications
- Confidential Print secures printing with PIN code authentication
- User authentication prevents unauthorised network scanning

### Other Key Features

- Large, 8.1-inch touch-screen LCD control panel
- Standard 1,100-sheet paper capacity, expandable to max. 2,100 sheets
- Job Separator (option) outputs copies and printouts/faxes onto separate trays

\*1: Some features require option(s)

\*2: Requires optional AR-P27

\*3: Available at a later date



AR-M316

AR-M256

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COPY

PRINT

NETWORK PRINT  
OPTION

NETWORK SCAN  
OPTION

SHARPDESK  
OPTION

FAX  
OPTION

# AR-M316/M256 Digital Multifunction System



## SPECIFICATIONS (tentative)

### General

Type	Desktop
Engine speed*1	Max. 31/25 cpm/ppm
Paper size	Max. A3 (11" x 17"), min. A5 (5 1/2" x 8 1/2")
Paper capacity (80 g/m <sup>2</sup> )	Standard: 1,100 sheets (two 500-sheet trays and 100-sheet multi-bypass tray) Maximum: 2,100 sheets
Warm-up time*2	25/23 sec.
Memory	Standard: 32MB Maximum: 1,056MB
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.45 kW (220 to 240V), 1.45 kW (100 to 127V)
Dimensions (W x D x H)	623 x 615 x 665 mm (24 17/32" x 24 7/32" x 26 11/64")
Weight	Approx. 49.2 kg (108.5 lbs.)
Features	Job build, pre-heat/auto power shut-off modes, toner save mode, user control (100 accounts)

### Copier

Original paper size	Max. A3 (11" x 17")
First copy time*3	4.5/4.8 sec. (document glass), 9.3/9.3 sec. (RSPF)
Continuous copy	Max. 999 copies
Resolution	Scan: 400 x 600 dpi Print: 600 x 600 dpi
Gradation	Scan: 256 levels      Print: 2 levels
Zoom range	25 to 400% (50 to 200% using RSPF) in 1% increments
Preset copy ratios	Metric: 10 ratios (5R/5E), inch: 8 ratios (4R/4E)
Features*4	Auto paper selection (mixed size feeding), auto magnification selection, paper type selection, auto tray switching, rotation copy, electronic sorting, margin shift, dual page copy, multi-shot (4-in-1, 2-in-1), cover insertion, pamphlet copy, 2-sided copy orientation change, XY zoom, B/W reverse, duplex copy, job programme, card shot, edge/centre erase

### Network Scanner (optional MX-NSX1, AR-P27, and memory\*5 required)

Compatibility	TWAIN compliant (push out method)
Resolution	Optical: 400 dpi (setting range: 200, 300, 600 dpi) Output: 200, 300, 600 dpi
File formats	TIFF, PDF
Scanner utilities	Sharpdesk
Scan destinations	Scan to e-mail, desktop, FTP server
Features	LDAP support, direct entry (address, subject, message), 200 one-touch dials, group dials, broadcasting

### Printer (standard SPLC driver)

Resolution	600 x 600 dpi
Enhanced resolution	600 x 1,200 dpi equivalent with smoothing
Memory	Shared
Interface	IEEE 1284, USB 2.0
Supported OS	Windows NT® 4.0 SP5 or later, Windows® 98/Me/2000/XP, Windows Vista™
Printer language	SPLC (Sharp Printer Language with Compression)
Available fonts	Host-based
Features	RIP Once/Print Many, fit to page, watermarks, image adjustment, duplex print, N-up (2/4), paper/output tray selection, offset output

### Network Printer (optional AR-P27 required)

Interface	10Base-T/100Base-TX
Supported OS*7	Windows NT® 4.0 SP5 or later, Windows Server® 2003, Windows® 98/Me/2000/XP, Windows Vista™, Mac OS 9.0 to 9.2.2, Mac OS X 10.1.5, 10.2.8, 10.3.3 to 10.3.9, 10.4 to 10.4.8
Network protocols*7	TCP/IP (IPv4, IPv6), IPX/SPX (NetWare), NetBEUI, EtherTalk (AppleTalk)
Printing protocols	LPR, Raw TCP (port 9100), POP3 (e-mail printing), HTTP, Novell Printserver application with NDS and Bindery, FTP for downloading print files, EtherTalk printing, IPP
PDL emulation	PCL 6/5e, PS3 emulation*8
Available fonts	80 fonts for PCL, 136 fonts for PS3 emulation*8
Features*4 *6	Job retention (print hold, proof print, confidential print), carbon copy print, pamphlet style, binding edge, N-up (2/4/8/16), cover/transparency insertion, form overlay, barcode font compatibility, negative image, mirror image, printer administration utility and status monitor, IP/MAC address filtering, direct PDF/TIFF printing, e-mail printing, font/form download, secure network communications (SSL and IPsec [LPD])

### Facsimile (optional AR-FX7 required)

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*9
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	From Standard (203.2 x 97.8 dpi) to Super Fine (406.4 x 391 dpi)
Recording width	A3 to A5 (11" x 17" to 5 1/2" x 8 1/2")
Memory	Standard 2MB, expandable to 10MB
Grey scale levels	Equivalent to 256 levels
Features*4	Duplex transmission/reception, quick on-line transmission, F-Code compatibility (confidential, relay broadcast), error correction mode, 500 one-touch dials, 8 job programmes, group dials (up to 50 groups and 200 destinations), polling, broadcasting number registration, memory transmission/reception, auto reduction (transmission/reception), print actual size, rotation transmission/reception, timer transmission, anti-junk fax, long original transmission (max. 1,000 mm)*10, dual page scan, PC-Fax transmission*11, activity report

\* 1 : Copy mode: When copying same document continuously on portrait A4 (8 1/2" x 11") plain paper in non-offset mode. Print mode: When printing same document continuously on portrait A4 (8 1/2" x 11") plain paper in non-offset mode, excluding processing time.

\* 2 : Door left open for 60 seconds, standard condition, polygon motor stopped.

\* 3 : Portrait feeding of A4 (8 1/2" x 11") sheets from main unit's 1st paper tray, polygon motor running.

\* 4 : Some features require option(s). \* 5 : 128MB or more additional memory.

\* 6 : Some features are not available according to the printer driver used.

\* 7 : Optional AR-PK1N required for Mac OS and EtherTalk. Windows Vista and IPsec available at a later date.

\* 8 : Optional AR-PK1N required for PS3.

\* 9 : Based on Sharp's standard chart with approx. 700 characters (A4 or 8 1/2" x 11" portrait) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.

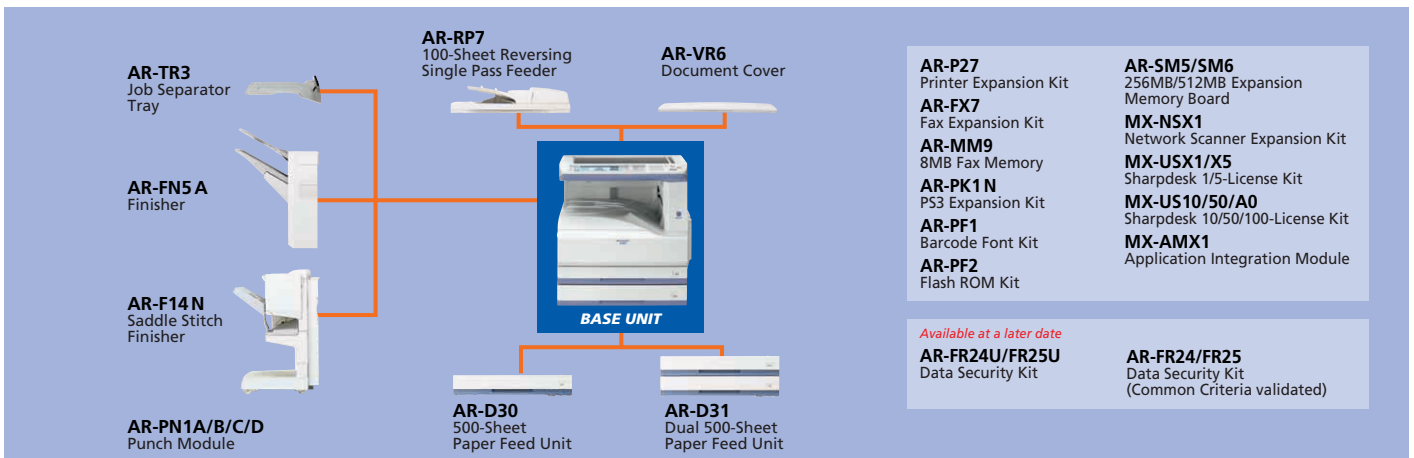
\* 10 : Not available in Super Fine mode. \* 11 : For Windows environments only.

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## SYSTEM CONFIGURATION



Note: AR-F14N requires AR-D30 or AR-D31 and locally available cabinet. Some options may not be available in some areas.

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