

## advanced functionality in a compact desktop design

The new Sharp AR-168S and AR-168D Digital IMAGERs deliver big machine functionality in a small desktop size. Both models offer high-quality copying, 600 dpi PC printing, and standard color PC scanning. But that's not all. With advanced features that include electronic sorting, offset stacking, and smart device sharing, the AR-168S/168D IMAGERs deliver the productivity required in today's fast-paced small office environments. The cost-efficient, conventional supply system (separate toner, developer, and drum) is more economical than cartridge-based systems—and can reduce your total cost of ownership. And with flexible options including Super G3 faxing, advanced networking, web-based management and more, the AR-168S/AR-168D IMAGERs can easily grow to meet your ever-changing business needs.



AR-168S

AR-168D with  
Standard Auto Duplexing

**Digital  
IMAGER™**  
Advanced Workgroup System

### On-the-fly color PC scanning!

Enhance your document workflow with built-in color PC scanning. Easily convert both black and white and color documents into digital files that can be shared, archived, or e-mailed. The versatile AR-168S/168D IMAGERs eliminate the need for extra peripherals that take up valuable office space. Plus with Sharpdesk™ Light integrated desktop document management software, you can edit, save, or distribute your documents electronically—quickly and effortlessly.



### High-efficiency out-of-the-box PC printing

The Sharp AR-168S/168D IMAGERs offer standard 600 dpi PC printing with JBIG compression—enabling your jobs to print faster. A standard USB 2.0 interface and IEEE 1284 parallel interface provides flexible connection alternatives for multi-platform environments. For enhanced productivity, the AR-168D IMAGER provides automatic duplexing, enabling you to copy 2-sided documents quickly and easily. Additional features that can speed up your workflow include 2-up/4-up printing, fit-to-page, and electronic sorting. And as your business needs evolve, you can even add low-cost network printing with an optional External Print Server (AR-PS3100).

## features at a glance

- 16-ppm compact desktop digital copier with high-quality 600 dpi output
- Flexible paper handling includes a 250-sheet paper supply, upgradeable to 500 sheets
- 50-sheet bypass tray allows easy copying onto different size paper ranging from 3 1/2" x 5 1/2" up to 8 1/2" x 14". The bypass tray also simplifies copying onto envelopes, labels, and transparencies.
- 30-sheet automatic document feeder allows you to duplicate multiple page documents quickly, with minimal effort (reversing feeder on AR-168D)
- Up to 100-page electronic sorting and offset output stacking allows copying of multiple sets quickly and efficiently
- 25% to 400% zoom magnification allows a wide range of enlargement/reduction settings. Also includes eight preset modes for easy image to paper sizing.
- Standard JBIG speed-enhanced printing system
- Standard full-color PC scanning system
- USB 2.0 and IEEE 1284 bi-directional parallel interfaces for flexible PC connectivity
- Optional Super G3 fax kit with 118 auto-dial destinations
- Advanced networking options

**Copier Specifications**

Type:	AR-168S: Digital simplex copier-based desktop MFP AR-168D: Digital duplex copier-based desktop MFP
Standard Functions:	Copy/PC Print/Color (or monochrome) PC Scan
Copy System:	Dry electrostatic transfer system
Originals:	Sheets, bound documents
Original Size (Max):	8.5" x 14"
Copy Size:	Min. 5.5" x 8.5", Max. 8.5" x 14"
Copy Speed:	16 copies per minute (8.5" x 11")
Continuous Copy:	Max. 99 copies
First Copy Out time:	9.6 sec. (ready) 25 sec. (preheat) 40 sec. (auto shut-off)
Warm Up time:	0 seconds (when Energy Saver mode is not enabled)
Zoom Range:	25% to 400% in 1% increments (with SPF/RSPF 50%-200%)
Fixed Zoom Mode:	25%, 50%, 64%, 78%, 100%, 129%, 200%, 400%
Exposure System:	Fixed optical source, slit exposure (stationary platen)
Paper Feed System:	Standard: (1) 250-sheet paper cassette with automatic feed Standard: (1) 50-sheet manual bypass tray Optional: (1) 250-sheet paper feed unit
Original Feed System:	AR-168S: 30-sht. document feeder (SPF)/document glass AR-168D: 30-sht. reversing document feeder (RSPF)/document glass
SPF/RSPF Feeding:	12 originals per minute (letter/100%/simplex), original weight 14 to 24 lb. Bond
Paper Type:	Paper Cassettes: 15-21 lb. standard or recycled bond paper Bypass Tray: up to 50 sheets 14-34 lb. standard or recycled bond paper; post cards/envelopes (#10 Monarch)/OHP film/labels one sheet feed
Memory:	32 MB (shared)
Copy Resolution:	Scan: 600 dpi, output: 600 dpi
Exposure Modes:	Photo mode: 600 x 600 dpi Auto exposure: 600 x 300 dpi (manual 5 steps)
Grey Scale:	256 gradations/2 levels
Copy Features:	Stream feeding mode (SPF/RSPF), electronic sorting, 2-in-1 copy, offset stacking, auto tray switching, margin shift, zoom, variable memory adjustment, auto shut off, and duplex copy/print (AR-168D)
Output Tray Capacity:	200 sheets (face down)
Offset Stacking:	Standard paper shifter (offset stacks sets by 1 inch in output tray)
Fusing System:	Heat roller
Developer System:	Magnetic brush development
Light Source:	Tri-color CCD light source (RGB)
Power Requirement:	AC 120 V, 60 Hz, 8 Amps
Power Consumption:	Max 1000 W, stand-by 80 W/h, auto shut off 8.8 W
Operating Conditions:	Temperature: 50 degrees to 86 degrees F, Humidity: 20% to 85%
Weight:	AR-168S: Approx. 50 lbs; AR-168D: Approx. 70 lbs.
Dimensions:	AR-168S: 20.4" (w) x 19.8" (d), x 15.0" (h) AR-168D: 20.4" (w) x 19.8" (d), x 18.3" (h)

**JBIG Speed-Enhanced Printer Function (Standard)**

Emulation:	Sharp SPLC host-based controller with JBIG compression
Print Speed:	16 pages per minute one side (letter) with ROPM
First Print Time:	9.6 seconds (without data transfer time; ready)
Resolution:	600 dpi
Operating System:	Windows 95/98/ME, NT4.0, 2000, XP
Software:	Print driver, Printer Status Monitor
Rip Once Print Many:	Yes
Interface:	Standard: IEEE 1284 (ECP) parallel port, USB 2.0
Memory:	Shared
Features:	Offset print, status monitor, 2-up/4-up printing, fit to page, watermark, duplex printing (AR-168D only)

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<sup>1</sup> Resolution settings higher than 600 x 1200 dpi are interpolated

<sup>2</sup> Based on ITU-T Test Chart #1 in standard resolution.  
Actual transmission time will vary according to line conditions.

<sup>3</sup> Direct PDF printing requires optional AR-PK1N Postscript kit

<sup>4</sup> Color scanning at 600 dpi requires 256 MB memory expansion

**Scanner Function (Standard)**

Type:	Flat head full color/monochrome PC scanning system
Resolution:	Basic: 600 x 1200 dpi <sup>1</sup> , setting range 50 – 9600 dpi <sup>1</sup>
Operating System:	Windows 98/ME, 2000, XP
Original Type:	Sheets/books up to letter/legal size
Scanning Method:	Original cover/SPF/RSPF (AR-168D)
Output:	8 pixels/bit, A/D 16 bit
Protocol:	TWAIN, WIA (Windows XP)
Interface:	USB 2.0 (compatible with USB 1.1)
Software:	Sharpdesk™ Light (ver. 2.7) document management software, Button Manager, Composer (single user)
PC Scan Destinations:	5 preset PC scan destinations can be configured using Button Manager
File Formats:	BMP/JPEG/TIFF

**Super G3 Fax Kit (Optional)**

Modem Speed:	Super G3 (up to 33.6 kbps) <sup>2</sup>
Transmission Time:	3 Seconds <sup>2</sup>
Compression Type:	MH, MR, MMR, JBIG
Max. Original Size:	Legal
Resolution:	Standard/Fine/Superfine
Memory:	2 MB
Job Memory:	Up to 50
Rapid Dials:	18
Speed Dials:	100
Group Dials/Broadcasting:	18 groups/100 destinations

**AR-NB2N Network Expansion Kit (Optional)**

Features:	PCL6 network printing and network scanning with web-based management function
Standard Memory:	64 MB standard, expandable to 320 with 256 MB DIMM
Client PC Requirements:	IBM PC/AT compatible (P3/500 MHz recommended), 100 MB available hard disk space, and 800 x 600 dpi screen resolution
Operating Systems:	Windows 95/98/ME/NT4/2000, Windows XP, Mac OS 8.6 – 9.x, 10.2 (when using AR-PK1N Postscript Kit)
Network Protocols:	TCP/IP, IPX/SPX (Netware), NetBEUI, and Ether Talk/AppleTalk
Interface:	RJ45 Ethernet; 10/100baseT
Utilities:	Web-based management, NIC Manager, integrated software installer, Printer Administration Utility (PAU), Printer Status Monitor, On-line manual
Print Emulation:	PCL6/PCL5e/PS3 (option)
Print Speed:	16 pages per minute one side (letter)
Print Resolution:	600 dpi
Print Features:	2-up/4-up printing, fit to page, auto paper select, booklet print, front cover print, direct print, watermarks, and duplex print (AR-168D) <sup>3</sup>
Scanning Resolution:	Up to 600 dpi <sup>4</sup>
Operating Systems for Scanning:	Windows 98/ME, 2000, XP
Scanning Features:	Scan to E-mail, Scan to Desktop, Scan to FTP, Scan to URL, and Scan to Print
Scanning Formats:	TIFF, PDF, JPEG
Scanning Software:	Sharpdesk Light (Ver. 2.7) document management software, includes OCR and Sharp Composer (3-user license)

**Optional Equipment and Supplies**

AR-D16:	250-sheet paper tray
AR-FX9:	Super G3 Fax Kit
AR-PS3100:	External Print Server
AR-NB2N:	PCL6 Network Printing/Network Scanning Expansion Kit
AR-PK1N:	Postscript Level 3 Kit (requires AR-NB2N)
AR-150ABD:	Copier Stand (with door)
AR-150ABS:	Copier Stand (no door)
AR-152MT:	Toner Cartridge (carton of 10 AR-152NT)
AR-152MD:	Developer (carton of 10 AR-152ND)
AR-152DR:	OPC Drum (1 piece)

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