SHARP

AR-C160

Productive Speed, Advanced Networking, and of Course...
Colour That's Absolutely Breathtaking.

AR-C160
DIGITAL COLOUR COPIER/PRINTER

VIVID COLOUR · BEAUTIFUL DETAIL · SPEEDY PERFORMANCE

Full Colour Beauty without the Wait

Speedy monochrome and colour output

The AR-C160 outputs documents at a speedy rate of 16 cpm/ppm in full colour and 32 cpm/ppm in monochrome. First colour copies come out in just 9.8 seconds — the fastest in its class.

Internal print controller and touch-screen LCD

Equipped with the optional Fiery Embedded Print Controller, the AR-C160 provides high-performance colour network printing. Copier operation is simple thanks to the touch-screen LCD control panel's easy-to-understand graphical user interface.

Excellent print and copy quality

Sharp's advanced imaging technologies ensure faithful reproduction of originals and superior print quality every time. Versatile digital image editing functions let you create customised copies and printouts.
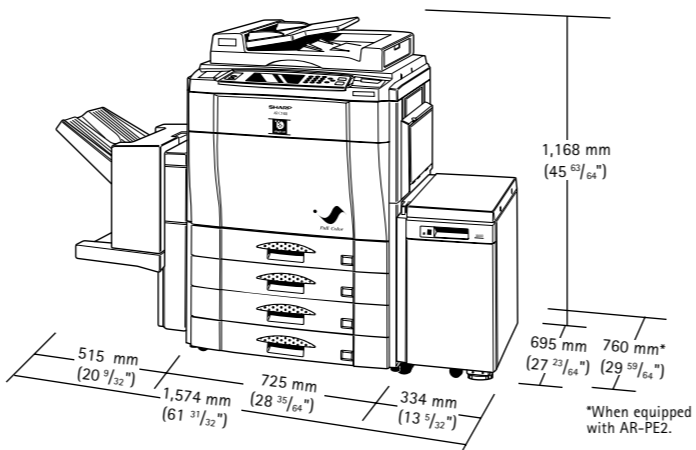
SPECIFICATIONS

Type	Console
Resolution	600 x 600 dpi
Gradation	256 gradations
Original size	Max. A3 (11" x 17")
Paper size	Paper tray: Max. A3 to A5 (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$"), 60 to 105 g/m^2 (16 to 28 lbs) Bypass feeder: Max. A3–wide to A6R (12" x 18" to 5 $^1/_2$" x 8 $^1/_2$"), 60 to 280 g/m^2 (16 to 75 lbs)
Warm–up time*1	Less than 330 seconds
First copy*1	Full colour: Approx. 9.8 seconds (in default mode) Monochrome: Approx. 19.5 seconds (excluding pre–scanning)
Max. copy/print speed*2 (A4 size, 8 $^1/_2$" x 11")	Full colour: 16 cpm/ppm Monochrome: 32 cpm/ppm
Memory	128MB
Zoom range	Zoom from 25 to 400% with 10 preset ratios (5 reduction + 5 enlargement)
Continuous copy	Max. 999
Paper capacity	1,550 (500 x 3 + 50), max. 5,050 sheets with options
Power requirements	Rated local AC voltage ±10%, 50/60Hz
Power consumption	Max. 1.5kW
Dimensions (W x D x H)	750 x 695 x 1,010 mm (29 $^{17}/_{32}$" x 27 $^{23}/_{64}$" x 39 $^{49}/_{64}$")
Weight	Approx. 152 kg (335 lbs)

Design and specifications are subject to change without prior notice.
*1: At rated voltage, 20˚C (68˚F), 65% RH. *2: When using Scan Once/Print Many function.
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1,168 mm (45 $^{63}/_{64}$")
515 mm (20 $^9/_{32}$")
1,574 mm (61 $^{31}/_{32}$")
725 mm (28 $^{35}/_{64}$")
334 mm (13 $^5/_{32}$")
695 mm (27 $^{23}/_{64}$")
760 mm* (29 $^{59}/_{64}$")
*When equipped with AR-PE2.

OPTIONS

AR-RF1 Reversing Automatic Document Feeder
Paper size: A3 to A5 (11" x 17" to 5 $^1/_2$" x 8 $^1/_2$")
Dimensions (W x D x H): 592 x 521 x 148 mm (23 $^5/_{16}$" x 20 $^{33}/_{64}$" x 5 $^{53}/_{64}$")
Weight: Approx. 12 kg (26.5 lbs)

AR-VR2 Platen Cover

AR-CS2N Paper Drawer*
Paper capacity: 500 sheets
Paper size: A3, B4, A4, A4R, B5, B5R, A5 (11" x 17", 8 $^1/_2$" x 14", 8 $^1/_2$" x 13", 8 $^1/_2$" x 11", 8 $^1/_2$" x 11"R, 5 $^1/_2$" x 8 $^1/_2$")

AR-DU2N Duplex Module*
Paper size: A3, B4, A4, A4R, B5, B5R, A5 (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, 8 $^1/_2$" x 5 $^1/_2$")

AR-FN4 1–Tray Finisher
Tray: For copier and printer (max. 1,000 sheets, A4 / 8 $^1/_2$" x 11")
Staple capacity: 20 sheets (B5, A4 / 8 $^1/_2$" x 11")
Staple position: Top left, diagonal
Dimensions (W x D x H): 515 x 574 x 621 mm (20 $^9/_{32}$" x 22 $^{19}/_{32}$" x 24 $^{29}/_{64}$")

AR–SS2 20–Bin Stapler Sorter
Number of bins: 20
Paper capacity: Non sort mode: 100 sheets [A4, A4R, A5 (8 $^1/_2$" x 11", 8 $^1/_2$" x 11"R, 5 $^1/_2$" x 8 $^1/_2$")], 60 sheets [A3, B4 (11" x 17", 8 $^1/_2$" x 14", 8 $^1/_2$" x 13")]
Sort mode: 50 sheets for each bin [A4, A4R, A5 (8 $^1/_2$" x 11", 8 $^1/_2$" x 11"R, 5 $^1/_2$" x 8 $^1/_2$")], 25 sheets for each bin [A3, B4 (11" x 17", 8 $^1/_2$" x 14", 8 $^1/_2$" x 13")]
Staple sort mode: 30 sheets for each bin [A4, A4R (8 $^1/_2$" x 11", 8 $^1/_2$" x 11"R)], 25 sheets for each bin [A3, B4 (11" x 17", 8 $^1/_2$" x 14", 8 $^1/_2$" x 13")]
Staple cartridge capacity: 5,000 staples

AR-LC2N Large Capacity Tray
Paper capacity: 3,000 sheets
Paper size: A4 (8 $^1/_2$" x 11")
Dimensions (W x D x H): 330 x 540 x 595 mm (12 $^{63}/_{64}$" x 21 $^{17}/_{64}$" x 23 $^{27}/_{64}$")
Weight: Approx. 32 kg (70.6 lbs)

AR-PE2 Fiery Embedded Print Controller
CPU: Intel Celeron™ processor, 366 MHz
Interface: 10Base–T/100Base–TX
Protocol: TCP/IP, IPX/SPX, AppleTalk
Scanning: Up to A3 size (11" x 17")
Hard disk: 6GB
PDL: Adobe PostScript® 3™

AR-PX3 Print Engine Power Supply Unit

*Either AR-CS2N or AR-DU2N can be equipped.
Some options may not be available in some areas.

Discover What You Can Do with the AR-C160 Colour Copier/Printer

Colourful company reports, presentation materials, posters, product brochures, package design and more. It's all possible with the AR-C160. Boasting superb colour printing quality, speedy performance and versatile digital image editing functions, it gives all types of businesses the power to create impressive documents quickly and easily.

CONFERENCE MATERIALS

The AR-C160's full-colour output lets you produce vivid documents to add impact to your presentations.

PACKAGE DESIGN

Equipped with a tandem printing mechanism, the AR-C160 allows you to print on thick paper stock.

POSTERS

Wide A3-size (12" x 18") printing capability makes it possible to create eye-catching poster-size printouts.
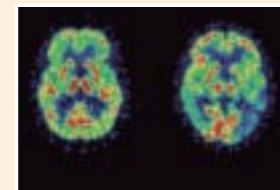
INTERNET SITES

Any business that relies on Internet information will appreciate the ability to print out web sites in full colour.

EDUCATION MATERIALS

Printing out full-colour materials for lectures, seminars and classroom use is easy and convenient with the AR-C160.

RESEARCH DATA

The AR-C160 can reproduce the minute details of documents used in scientific and medical research.

Productive and Economical Operation You Can Count On

The AR-C160 gives you more than just great-looking documents. Featuring a high-speed printing engine, a quick first copy time and a low total cost of ownership, it provides the high levels of performance and cost-efficiency demanded by today's businesses.

Productive Copying/Printing

Need to quickly make colour documents for an important meeting? Leave it to the AR-C160 to get the job done. Featuring a fast output speed of 16 cpm/ppm in colour and 32 cpm/ppm in monochrome, it can swiftly handle high-volume document tasks with the greatest of ease. It can also be equipped with a range of options that do the document feeding, collating, sorting and stapling for you — which means your documents will be automatically prepared ready to go! And with its incredibly fast first copy time of 9.8 seconds, even multiple low-volume jobs can be finished quickly and efficiently.

Exceptional Printing Quality

For superb printing performance and quality, the AR-C160 can be equipped with a Fiery print controller from EFI — the industry leader in print controllers. Working together with the AR-C160's advanced technologies for stable, high-quality images, the Fiery print controller is capable of processing data-intensive colour printing jobs with outstanding speed and quality.

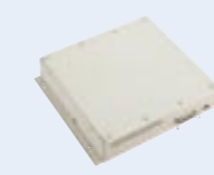**Fiery Embedded Print Controller AR-PE2**

The Economical Choice

The AR-C160 is capable of both breathtaking colour and crisp monochrome printing, so there's no need to own a separate colour or monochrome laser printer. This also means that copying/printing supplies and maintenance are needed for only one machine. What's more, it features a lower cost per copy compared with conventional colour laser copiers, further reducing your total cost of ownership.

The AR-C160 combines monochrome and colour printing in one, which means supplies and maintenance are needed for only one machine!
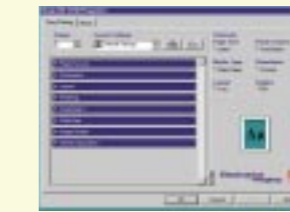
COLOUR / BLACK & WHITE

Give Your Office the Networking Printing Advantage

The optional AR-PE2 Fiery Embedded Print Controller turns the AR-C160 into a high-speed, full-colour network printer offering streamlined document productivity and outstanding print quality. Powerful software utilities and technologies ensure maximum printing performance.

Total Printing Control from a PC

With the network connectability of the AR-C160, you can print out multi-paged documents right from your PC and, with the optional finisher, automatically prepare them ready to distribute.
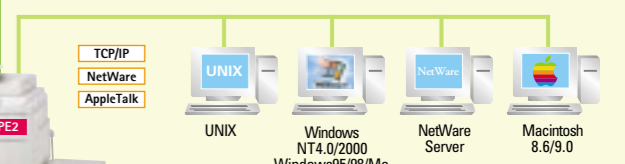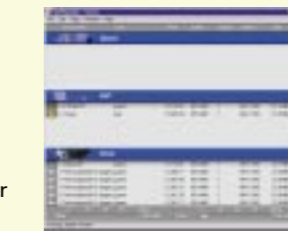
Print at your desk!

Fiery Driver

Supports Any Network Environment

NetWise®, a modular network architecture used in the AR-PE2 print controller, allows the AR-C160 to be introduced in any network (including mixed OS environments). The AR-PE2 supports 10Base-T/100Base-TX Ethernet standards and TCP/IP, IPX/SPX and AppleTalk protocols.

TCP/IP / NetWare / AppleTalk

AR-PE2

UNIX / Windows NT4.0/2000 Windows95/98/Me / NetWare Server / Macintosh 8.6/9.0

Convenient Job Management

No longer do you have to walk up to the printer to check the status of your printing jobs. With WebTools™, which includes convenient utilities such as WebSpooler™, you can monitor and manage printing through a standard WWW browser right on your PC.

WebSpooler

A3 (11" x 17")-Size Scanning

The FieryScan™ utility lets you use the AR-C160 as an A3 (11" x 17"), 600 dpi colour scanner with any client PC on the network. In addition, a Scan to HDD function allows you to retrieve, edit and save scanned documents that are stored in the print controller.

Note: To use FieryScan, Adobe® Photoshop® 5.5 or later application software must be installed on the PC.
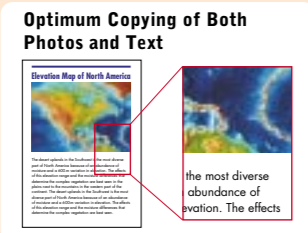
Scan to HDD

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600 dpi Printing with 256 Gradations

To provide the highest possible image quality and colour fidelity, the AR-C160 features a high printing resolution of 600 x 600 dpi with 256 colour gradations.

600 dpi

Consistent Colour Quality and Image Clarity

Intelligent Auto-Segmentation Technology automatically distinguishes between text and photos for clearer, more detailed copies, while 3D Neural Nets Technology makes adjustments according to the condition of the scan mechanism and toner to ensure the colour of the copies faithfully matches the originals. And to ensure consistent colour quality over a long period of time, the AR-C160 features a Colour Image Stabilising System using feedback sensors to monitor the machine and make precise adjustments whenever necessary.

Optimum Copying of Both Photos and Text

Easy Colour Adjustment

Colour Balance Adjustment mode allows you to manually adjust the RGB levels, sharpness and background suppression directly from the touchscreen LCD panel. You can also adjust the colour brightness, intensity and contrast of the output image.

Digital Image Editing Functions

The AR-C160 includes colourful editing functions made possible by digital technology.

Poster Copy divides an image onto separate sheets, allowing you to make poster-like copies up to A0 x 2 (44" x 68") in size.
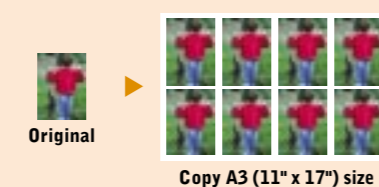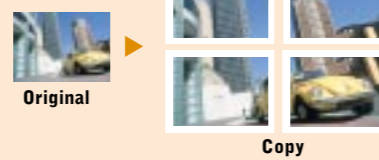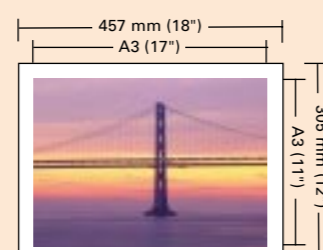
Original ▶ Copy

Image Repeat places multiple copies of an image onto a single sheet.

Original ▶ Copy A3 (11" x 17") size

Versatile Paper Handling

The AR-C160 can accommodate a wide variety of paper sizes, from A6R (5 ¹/₂" x 8 ¹/₂") to A3-wide (12" x 18") for full-bleed A3 (11" x 17") printing. It also can print on overhead transparencies and handle heavy paper stock up to 280 g/m².

457 mm (18") / A3 (17") / 305 mm (12") A3 (11")

A3-wide (12" x 18") printing

Super Fast First Copy Time

The AR-C160 prints out first copies in just 9.8 seconds* — the fastest in its class — when in full-colour mode. This ensures that copying efficiency is maintained even during multiple low-volume runs.

*Based on A4 (8 ¹/₂" x 11") or smaller documents using the same size copy mode.

9.8 sec.

Colour mode

Tandem Printing Method

The AR-C160 provides a fast output speed of 16 cpm/ppm in full colour and 32 cpm/ppm in monochrome. It employs a "tandem" printing method, a four-drum printing system, which provides a short, straight path for the paper, allowing for faster printing and less possibility of paper jams compared to other printing methods. Combined with Sharp's original technologies, the AR-C160 stands out as one of the fastest, most affordable and most compact tandem colour copier/printers in its class.

16 CPM / 32 CPM

Productivity-Enhancing Options

For offices that require higher copying efficiency, several productivity-enhancing options are available, including a Reversing Automatic Document Feeder (RADF), a 20-bin stapler sorter and a duplex module. An optional 1-tray finisher is also available, which offers enhanced printing productivity with offset stacking, stapling and facedown output.

System Configuration

Large Paper Capacity

The AR-C160 comes standard with three 500-sheet drawers and a 50-sheet Multi-Bypass Feeder for a large paper capacity of 1,550 sheets. For extra-large volume copying/printing and a wider selection of available paper sizes, it can easily accommodate up to 5,050 sheets when equipped with an optional 3,000-sheet large capacity tray and 500-sheet paper drawer.

MAX 5,050 Sheets

Other Features

• Margin shift, edge erase, centre erase, XY zoom, dual page copy mode
• Single-colour copying, mirror image, negative/positive reverse
• Auto paper/magnification selection

Productive Printing

When you have important documents that you need printed right away, the AR-C160 won't keep you waiting. Its speedy tandem printing engine and the AR-PE2's high-performance CPU combine to achieve a continuous printing rate of 16 full-colour and 32 monochrome prints* per minute**. Plus it incorporates advanced technologies to greatly enhance the efficiency of multi-page and multi-job printing.

* A4 (8 ¹/₂" x 11") portrait size.
**Excludes data transfer time.

16 PPM / 32 PPM

• RIP-While-Print™ technology enables the AR-PE2 to begin processing pages while current pages are printing, increasing throughput on multi-page documents.
• Continuous Print™ technology stores processed pages in memory before printing them out, eliminating the need to cycle down the AR-C160 between different print jobs, further enhancing printing efficiency.

Conventional Data Processing and Printing

RIP 1 — Newsletter 1 / RIP 2 — Newsletter 2 / RIP 3 — Newsletter 3 / RIP 4 — Newsletter 4

Printing with RIP-While-Print™ and Continuous Print™

RIP-While-Print™: RIP 1 / RIP 2 / RIP 3 / RIP 4 — Newsletter 1 2 3 4
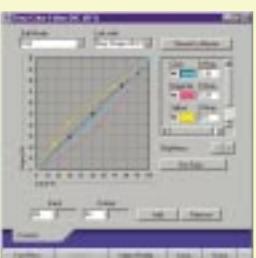
Continuous Print™ — **Reduced printing time**

Time lapse

Adobe® PostScript® 3™ for Optimal Quality and Colour

The AR-PE2 incorporates PostScript 3™, the latest printing system from Adobe Systems, Inc., to deliver superior 600 dpi images in 256 CMYK gradations. It's also equipped with a 6.0GB hard disk as standard, providing ample storage for additional fonts.

Accurate Colour Reproduction

ColorWise® 2.0, a total colour management system with auto colour calibration, ensures reliable colour output, even with documents that include both RGB and CMYK data as well as mixed data from Windows® and Macintosh® platforms. ColorWise® ProTools is a set of utility applications that allow you to optimise the functions and features offered by ColorWise.

ColorEditor

Other Features

• Fiery Link™ allows users to monitor the status of the machine and print job.
• Fiery Downloader™ allows users to print PostScript, Encapsulated PostScript (EPS) and PDF files directly to the AR-PE2 without having to open the application they were created in. It also enables you to manage printer fonts stored on the AR-PE2's hard disk.

FEATURES