

COLOUR LASER PRINTER

EPSON *AcuLaser - C1900*



a compact,
networked
colour laser
for the
professional
enterprise.



- Superb print quality with EPSON AcuLaser 2400 RIT
- Unique EPSON AcuLaser ASIC Technology
- Print speeds up to 16ppm mono and 4ppm colour, with first page out times 14 secs mono and 25 secs colour
- Flexible connectivity with USB, high speed parallel and 10/100BaseTX Ethernet as standard
- As easy to use and as cost efficient as a B&W laser
- EPSON AcuLaser Micropolymer toner

EPSON®



High performance
for colour laser
workgroups

The EPSON AcuLaser C1900 is the latest EPSON business product to feature our highly acclaimed AcuLaser technologies – a collection of developments that ensure the perfect combination of text and photo quality, high speed, ease of use and economy. This compact A4 colour laser is capable of delivering breath taking quality at speeds up to 16ppm B&W and 4ppm colour, with pre-configured models available for enhanced paper handling, and PostScript® Level® 3™. Maximum throughput is assured by a powerful 300MHz processor and unique EPSON ASIC. This exceptional range of colour business lasers is designed to offer the benefits of high quality without the traditionally high costs involved. It's the ideal solution for networked workgroup applications including presentation handouts, reports, proposals, accounting and Web prints.



key features



2nd Paper Cassette and Duplex Unit are optional

- EPSON AcuLaser 2400 RIT for superior printing quality in colour and B&W
- Outstanding value with low operating costs
- EPSON AcuLaser colour ASIC technology
- High speed – 16ppm mono, 4ppm colour
- First page print times 14 secs mono, 25 secs colour
- Extensive paper handling up to 700 sheets. Automatic two-sided printing is standard on AL-C1900D and AL-C1900DP.
- Flexible connectivity options – standard USB, Parallel and 10/100BASETX
- PC and Mac compatible
- Expandable memory – 96-1024MB
- PCL5e, EPSON ESC/Page, ESC/P2 and FX emulations
- Optional 6GB internal Hard Disk Drive
- Optional Adobe PostScript Level 3 (standard on AL-C1900P and AL-C1900DP)
- New EPSON AcuLaser Micropolymer Toner
- Compact footprint
- Advanced EPSON Printer Drivers

Amazing quality, speed, ease of use and value from the world leaders in colour imaging

The EPSON AcuLaser C1900 brings networked workgroups all the advantages of professional colour laser printing at an extremely affordable price. Advanced EPSON AcuLaser Colour technologies enable bright, photo like picture quality and superb, well defined text, logos and graphics - all at high speed. Available in a range of pre-configured models built for networked, graphics and high volume applications, this printer is not only as capable and easy to use as a B&W laser, but also costs about the same to run - and has the added bonus of rich EPSON colour!



EPSON AcuLaser Technologies

The AcuLaser C1900 includes a range of exclusive EPSON technologies which combine to ensure exceptional quality and throughput:

New EPSON ASIC (Application Specific Integrated Circuit) Hardware

Ensures the highest level of engine performance and image processing for high speed, exceptional quality output.

EPSON AcuLaser Adaptive Data Compression

Makes more efficient use of memory and speeds up image processing by optimising print data compression. Depending on the document, the ASIC will switch between compression methods when processing images composed of multiple smaller images.

EPSON Intelligent Line Screening

Technology distinguishes between photos, text and line drawings on a page and automatically alters the Line Screening and Colour Correction for each area.

EPSON AcuLaser Fine Dot Control Technology

Adds professionalism by boosting the printer's resolution to an effective 2400dpi by controlling the size of each dot to one of 16 horizontal steps.

EPSON AcuLaser Colour RITech (Resolution Improvement Technology)

Eliminates dotted or jagged edges in colour text, reproducing finely detailed areas sharply and making charts and graphs come alive with clear, crisp tones.

New EPSON AcuLaser MicroPolymer Toner

Maximises output quality even at fast print speeds by using smaller toner particles for uniform toner coverage. It improves stability and quality, helps to minimise toner wastage and cuts costs by eliminating the need for a printer oil roll.





Shown with optional 500 sheet paper tray



Features & Benefits

Professional quality, excellent throughput

These world-leading technologies provide businesses with outstanding quality photo, text and graphics printing at speeds up to 16ppm mono and 4ppm colour. The power of the 300MHz controller, coupled with the Colour ASIC ensures swift processing of complex, demanding jobs.

As easy to use as a B&W laser

Superb colour and B&W printing has never been so easy and accessible. The EPSON AcuLaser C1900 is designed for simple integration, use and support as a B&W laser, ensuring low cost of ownership.

Powerful, flexible control

Advanced driver software offers flexible yet powerful functions for advanced and novice users alike, with extensive options for colour quality and print control, speed and page layout. Printer-side control is provided by an intuitive control panel and LCD display, while live status information such as consumable levels and error information are available remotely on your computer screen even across the network.

Paper handling flexibility

Flexible media capabilities add to productivity.

A 700 sheet paper capacity* provides the flexibility of two different media types. A wide range of media can be used, including envelopes, labels, transparencies and paper up to 163gsm thick. Also, an optional duplex unit with automatic two sided printing facility (standard on the AL-C1900DP) improves presentation and saves on paper costs as well as storage.

* Requires optional 500 sheet cassette.

Straightforward maintenance

Reliability and quick, clean exchange of consumables is assured by the simple paper path and direct access to consumables via a door at the front of the printer.

Comprehensive connectivity

The EPSON AcuLaser C1900 comes with extensive connectivity as standard, including built-in USB, Parallel and 10/100Base network interfaces. It is designed to work with all common PC and Mac operating systems, fully supports PCL5e, Epson Esc/Page, ESC/P2 & IBM FX emulations, with optional Adobe PostScript 3 (standard on the EPSON AcuLaser AL-C1900P and AL-C1900DP). The printer can be easily configured and managed remotely using a range of network management tools.

The standard memory can be upgraded up to 1024MB, while an optional 6GB Hard Disk Drive enhances productivity by freeing up computer resources for other activities.

A no-compromise colour laser that could cost less to run than a B&W machine

Purchasing an EPSON colour laser has never been so affordable. Replacing your current B&W machine could not only increase quality and reliability in B&W, but even lower overall running costs.

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EPSON AcuLaser

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INKS+PAPERS

EPSON®

COLOUR LASER PRINTER ACULASER™ C1900

Specifications

GENERAL

PRINTING METHOD	Laser
RESOLUTION	EPSON AcuLaser Color 2400 RIT
PRINT SPEED (Page per minute)	4ppm(A4) Colour, 16ppm(A4) B&W
PROCESSOR	PowerPC 300MHz
FIRST PAGE OUT	14sec (B&W), 25sec (Colour)
WARM UP TIME	180 seconds

DIMENSIONS/WEIGHT

MAIN UNIT	429 x 521 x 406mm
	29kg approx (include consumables)

PAPER HANDLING

STANDARD PAPER INPUT MULTIPURPOSE TRAY	A4, A5, B5, Letter, Half Letter, GLT, Executive, Monarch, C10, DL, C5, C6, IB5, Custom size (92 to 216mm x 210 to 297mm) Up to 200 sheets of EPSON Color Laser Paper, plain paper, and recycled Up to 10 envelopes Up to 50 sheets of labels, thick paper, Color Laser transparencies 60-163 g/m ² for plain paper, 91 to 163 g/m ² for Labels
STANDARD PAPER OUTPUT	200 sheets face-down delivery
PRINTABLE AREA	Entire paper area except for 4mm margin at each edge

TYPEFACES

ESC/Page: 84 Scalable Fonts + 7 Bitmap Fonts
PCL: 80 Scalable Fonts + 7 Bitmap Fonts
ESC/P2: 10 Typefaces
FX: 8 Typefaces
IBM: 8 Typefaces

INTERFACES

IEEE 1284 bi-directional Parallel Interface with compatibility mode, nibble mode and ECP mode
EpsonNet 10/100baseTX Internal Print Server
Universal Serial Bus (USB) 1.1 compliant

Note: only Macintosh systems equipped with a USB connector and running Macintosh® OS 8.1 or later and Windows™ Me/98/2000/XP support USB interface.

MEMORY

STANDARD	96MB SDRAM (32MB + 64MB)
MAXIMUM	1GB SDRAM
MEMORY TYPE	Standard: EPSON recommends PC100 to PC133 compliance. specs: 168-pin type, 64bit, with SPD

PRINTER CONTROL LANGUAGE EMULATION

ESC/Page Color mode PCL5E, GL2, ESC/P2, FX, 1 Bin i339X, ESC/Page (monochrome mode)

OPTIONAL

Adobe® Postscript® 3

ENVIRONMENTAL CONDITIONS (OPERATING)

TEMPERATURE	Operation: 10 to 35°C Storage: 0 to 35°C
HUMIDITY	Operation: 15 to 85%RH Storage: 10 to 85%RH
ACOUSTIC NOISE LEVEL	39dB(A) or less in Standby Mode, 54dB(A) or less while printing No noise (background noise) in sleep mode (Energy star mode)
ALTITUDE	2,500 metres (8,200 feet) maximum

POWER REQUIREMENTS

RATED VOLTAGE	220V to 240V ± 10%
RATED FREQUENCY	50Hz to 60Hz ± 3Hz
RATED CURRENT	Less than 7A
POWER CONSUMPTION (Operating)	352Wh (average)
POWER CONSUMPTION (Standby)	107Wh (average)
POWER CONSUMPTION (Sleep mode)	Less than 12W

SAFETY AND REGULATIONS

SAFETY STANDARDS	EMC AS/NZS 3548 CLASS B
ELECTRICAL POWER CONSUMPTION	Conform to International Energy Star Program Standards
OZONE CONCENTRATION	0.02m g/m ³ or less (New Blue Angel standard compliance)
OZONE GENERATION	UL 478, 5th printing compliance
MATERIALS	Swiss Environmental Protection Standards compliance (contains no CdS)
CHEMICAL REGULATIONS	Conform to OSHA, TSCA, and EINECS



ACULASER™ C1900 WEIGHT: 29Kg

RELIABILITY AND DURABILITY

MAX MONTHLY VOLUME	35,000 pages
TOTAL PRINTER LIFE	5 years or 200,000 pages whichever comes first

CONSUMABLE LIFE (A4 @ 5% Coverage)

DEVELOPER TONER CARTRIDGES	Black, Cyan, Magenta, Yellow: 4,500 pages capacity toner cartridge 1,500 pages capacity toner cartridge (included)
PHOTO CONDUCTOR DRUM KIT	45,000 pages B&W, 11,250 pages Colour
WASTE TONER COLLECTOR	25,000 pages B&W, 6,250 pages Colour
TRANSFER BELT UNIT	210,000 pages B&W, 52,500 pages Colour <i>Those figures are approximate and are based on the number of sheets printed under conditions of continuous printing. Intermittent use may reduce page yield.</i>

CONFIGURATIONS

AL-C1900	ACULASER C1900 COLOUR LASER PRINTER
AL-C1900P	ACULASER C1900 WITH ADOBE POSTSCRIPT 3
AL-C1900DP	ACULASER C1900 WITH ADOBE POSTSCRIPT 3 AND DUPLEX UNIT

MINIMUM (RECOMMENDED) SYSTEM REQUIREMENTS

PC	CPU: Pentium 233MHz (Pii 450MHz) RAM: 64MB (96MB) HDD free space 500MB (for spooling the driver) Interfaces: IEEE1284 ECP mode USB 100BaseTx Ethernet
MAC	CPU: PowerPC G3 233MHz (500MHz) RAM: 128MB Interfaces: USB, AppleTalk

OPERATING SYSTEM REQUIREMENTS

Microsoft® Windows™ 95/98/ME/XP/2000, Windows NT™ 4.0, Mac® OS 8.1 or later
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OPTIONS AND CONSUMABLES

500 SHEET PAPER CASSETTE UNIT	C12C813911
DUPLEX UNIT – STANDARD ON AL-C1900DP	C12C813921
6GB HARD DISK DRIVE	C12C823921
ADOBE POSTSCRIPT 3 KIT – STANDARD ON AL-C1900P & ALC1900DP	C12C832532
TONER CARTRIDGE	BLACK C13S050100 YELLOW C13S050097 MAGENTA C13S050098 CYAN C13S050099
WASTE TONER COLLECTOR	C13S050101
PHOTOCONDUCTOR UNIT	C13S051083
TRANSFER KIT	C13S053009

WARRANTY

STANDARD WARRANTY	1 year On-Site
OPTIONAL WARRANTY	3 year On-Site



As an international ENERGY STAR Partner, EPSON has determined that this product meets the international ENERGY STAR Program for energy efficiency. "EPSON ESC/PS stands for EPSON standard code for printers Level 2. This second generation printer control language supports scalable fonts as well as enhances graphics capability. It also provides complete backwards compatibility with EPSON's ESC/P, the standard printer language for dot matrix printing". EPSON is a registered trademark of SEIKO EPSON Corporation. EPSON ESC/P2 is a trademark of SEIKO EPSON Corporation. Adobe and PostScript are trademarks of Adobe Systems Incorporated or its subsidiaries and may be registered in certain jurisdictions. All other product names and other company names used herein are for identification purposes only and may be the trademarks or registered trademarks of their respective owners. EPSON disclaims any and all rights to those marks. Specifications are subject to change without notice.