

B-310N

Business Color Ink Jet Printer



Affordable network color printing without compromising speed and productivity.

- **Fast color print speeds for busy workgroups** — 37 ppm (maximum) or 18 ISO ppm (color)[†]
- **Four individual, high-yield ink cartridges** — print about 3,000 pages (black) and 3,500 pages (color) before replacing cartridges¹
- **Economical to own and operate** — with ink costs as low as 6¢ per color page¹
- **Boost productivity with high-capacity paper tray** — front-loading cassette holds up to 500 letter-size sheets, facilitating high-volume printing
- **Versatile media handling** — rear sheet feeder accommodates envelopes, card stock, labels, etc.
- **Easy maintenance** — intelligent nozzle verification system checks and cleans the print head on a regular basis to ensure premium print quality
- **Easy-to-replace ink cartridges** — no need to wait for trained personnel
- **Greater color productivity** — monthly duty cycle of 10,000 pages (2,000 recommended) for high-volume, network color printing²

Product Name	Product Code	UPC	ISO Page Yields ¹
Epson B-310N business color ink jet printer	C11CA67601	0 10343 87436 7	—
Standard-capacity ink cartridge Black	T616100	0 10343 86990 5	~ 3000
Standard-capacity ink cartridge Cyan	T616200	0 10343 86991 2	~ 3500
Standard-capacity ink cartridge Magenta	T616300	0 10343 86992 9	~ 3500
Standard-capacity ink cartridge Yellow	T616400	0 10343 86993 6	~ 3500
Maintenance box	T619000	0 10343 86856 4	—
Legal-size paper cassette (front)	C12C817001	0 10343 87520 3	—
Legal-size paper support (rear ASF)	C12C815341	0 10343 86994 3	—
Duplex unit	C12C802531	0 10343 86835 9	—

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SPECIFICATIONS

Printing Technology

MicroPiezo® ink jet technology

Resolution

Up to 5760 x 1440 dpi

Ink Type

DURABrite® Ultra Ink

Print Speeds†

Maximum: 37 ppm black and color†
ISO print speed: 19 ISO ppm (black),
18 ISO ppm (color)

High-yield Ink Cartridges¹

Standard-capacity (C,M,Y): about 3,500 pages
Standard-capacity (K): about 3,000 pages

Input Paper Capacity

Front paper cassette:
Up to 500 letter-size sheets (plain paper)
Rear automatic sheet feeder:
Up to 150 letter-size sheets (plain paper)
Up to 60 legal-size sheets (plain paper,
with optional support)

Output Paper Tray Capacity

Plain paper:
Letter size – up to 170 sheets
Legal size – up to 100 sheets
Envelopes: up to 15

Paper Sizes

Letter (8.5" x 11"), A4 (8.3" x 11.7"), Legal (8.5" x 14"), 8" x 10", 4" x 6", 16:9 wide (4" x 7.11"), Envelope #10 (4.125" x 9.5"), A6 (4.1" x 5.8"), Half Letter (5.5" x 8.5"), user definable

Paper Types

Supports plain paper, Epson Bright White Paper, Epson Presentation Paper Matte, Epson Premium Presentation Paper Matte, Epson Premium Presentation Paper Matte Double-sided, White Address Label Ink Jet – 14 labels/sheet (Avery), Easy Peel White Mailing Labels – 30 labels/sheet (Avery), Label Paper – 20 labels/sheet (Xerox)

Paper Weight

Plain paper:
17 – 24 lb or 64 – 90 g/m² (weight);
0.08 – 0.11 mm (thickness)
Double-sided Matte Paper:
up to 51 lb or 190 g/m² (weight);
0.25 mm (thickness)

Duplex Printing

Optional duplex unit for automatic double-sided printing

Controller Specifications

Memory: 32MB
Printer control language emulations:
Epson ESC/P®-Raster, and ESC/P2
Resident typefaces:
compatible with all TrueType® fonts and supported Windows® and Macintosh® fonts

Connectivity

Desktop: Hi-Speed USB 2.0
Network interface:
100Base-Tx/10Base-Tx Ethernet

Network Printing Protocol

TCP/IP, LPR, PORT9100

Operating Systems

Microsoft® Windows 2000, XP/XP Professional x64 Edition, Windows Vista® 7 / 7 x64 Edition, Windows Server 2003 / Server 2005 x64 Edition, Windows Server 2008/Server 2008 x64 Edition
Mac OS® 10.3.9 or later

Monthly Duty Cycle²

Monthly duty cycle of 10,000 pages (recommended monthly volume of 2,000 pages)

Power Requirements

Rated voltage: 100 V – 120 V
Rated frequency: 50 – 60 Hz
Rated current: 1.1 A maximum

Power Consumption

Printing mode: approximately 30 W
Ready mode: approximately 6.5 W
Sleep mode: approximately 3.5 W
Power off: approximately 0.2 W

LCD Panel

22 digit x 5-line LCD
3 LEDs
6 buttons

Environmental Conditions

Temperature
Operating: 50 ° to 95 °F (10 ° to 35 °C)
Storage: -4 ° to 104 °F (-20 ° to 40 °C)

Relative Humidity

Operating: 20 – 80%
Storage: 5 – 85% (without condensation)

Dimensions (W x D x H)

18.9" x 16.5" x 12.3"
(480 mm x 420 mm x 312 mm)

Weight (excluding ink cartridges)

22 lb (9.95 kg)

Sound Level

Sound Power

Operating:
Draft: 56 dB(A)
Default: 55 dB(A)
Best Photo: 38 dB(A)
Ready mode: Background noise
Sleep mode: Background noise

Sound Pressure

Operating:
Draft: 7.0 dB(A)
Default: 7.0 dB(A)
Best Photo: 5.3 dB(A)
Ready mode: Background noise

Warranty

Epson Exchange one-year limited warranty

SUPPORT — THE EPSON CONNECTIONSM

Pre-sales support
U.S. and Canada 1-800-GO EPSON
Internet website www.epson.com

ACCESSORY PART NUMBERS

Legal-size Paper Cassette	C12C817001
Legal-size Paper Support (for rear sheet feeder)	C12C815341
Duplex Unit	C12C802531
Maintenance Box	T619000

PACKAGING SPECIFICATIONS

B-310N

Single Carton Dimensions	24.1" x 21.7" x 17.7"
	(612 mm x 552 mm x 450 mm)
Single Carton Weight	29.3 lb (13.3 Kg)
Units Per Pallet	Up to 8

Standard-capacity Cartridges

Single Carton Dimensions	6.7" x 4.3" x 1.1"
	(170 mm x 109 mm x 28 mm)
Single Carton Weight	0.78 lb (0.175 Kg)
Master Pack	60

Maintenance Box

Single Carton Dimensions	10" x 3.8" x 2.5"
	(254 mm x 97 mm x 63 mm)
Single Carton Weight	0.78 lb (0.352 Kg)
Master Pack	40

Legal-size Paper Cassette (Front)

Single Carton Dimensions	19.7" x 18.2" x 11.5"
	(500 mm x 462 mm x 292 mm)
Single Carton Weight	2.1 lb (0.95 Kg)
Master Pack	5

Duplex Unit

Single Carton Dimensions	6.57" x 14.33" x 9.02"
	(167 mm x 364 mm x 229 mm)
Single Carton Weight	2.2 lb (1 Kg)
Master Pack	6

Estimated Street Price — \$399

† Maximum pages per minute (ppm) are measured after first page with text patterns in Draft Mode on plain paper. ISO ppm is based on ISO 24734. Black and color print speeds are determined in default, single-side mode, in accordance with ISO/IEC 24734. Actual print times will vary based on system configuration, software, and page complexity. See www.epson.com/printspeed for details, including complete ISO reports.

¹ Cost per page is the combined cost of black and three colors, derived from the ink cartridge MSRP divided by cartridge yield. Cartridge yields are based on continuous printing of a suite of five black and color pages as required by ISO/IEC 24711 and 24712. Actual yields will vary considerably for reasons including images printed, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly with one ink color. A variable amount of ink remains in the cartridges after the "Replace cartridge" signal. Part of the ink from the first cartridges is used for priming the printer. Ink is used for both printing and print head maintenance. All inks are used for both black and color printing. The B-310N ships with standard-capacity ink cartridges. For more information about yields, see www.epson.com/cartridgeinfo

² Monthly duty cycle is the highest duty a user could expect in a month, based on near-constant operation of a device of this kind. It is not recommended that the device be run at this duty. For best device performance, run the device at the recommended duty.

Epson America, Inc.
3840 Kilroy Airport Way, Long Beach, CA 90806
www.epson.com

Epson Canada, Ltd.
3771 Victoria Park Avenue, Toronto, Ontario M1W 3Z5
www.epson.ca

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eco.epson.com