

B-500DN

Business Color Ink Jet Printer



Powerful, color printing productivity for network environments.

- **Network printing you can depend on** — a new era in affordable, reliable color printing
- **Fast speeds for busy workgroups or classrooms** — up to 37 pages per minute (draft speed)¹
- **Individual, high-yield ink cartridges** — print about 8,000 pages (black) and 7,000 pages (color) before replacing cartridges (when using the highest capacity ink cartridges available for the printer)²
- **Economical ink cost per page** — as low as 4¢ per color page (when using the highest capacity ink cartridges available for the printer)²
- **Share one printer among multiple classrooms or workstations** — Ethernet connectivity makes it easy
- **High-capacity paper tray** — front-loading cassette holds up to 500 sheets
- **Paper-saving double-sided printing** — automatic duplexer included
- **Easy maintenance** — advanced auto nozzle check system minimizes clogging automatically
- **Greater color productivity** — monthly duty cycle of 20,000 pages (4,000 recommended) for high-volume, network color printing³

Product Name	Product Code	UPC	ISO Page Yields ²
Epson B-500DN business color ink jet printer	C11CA03091	0 10343 87004 8	—
Extra High-capacity ink cartridge Black	T618100	0 10343 86985 1	~ 8000
High-capacity ink cartridge Black	T617100	0 10343 86986 8	~ 4000
High-capacity ink cartridge Cyan	T617200	0 10343 86987 5	~ 7000
High-capacity ink cartridge Magenta	T617300	0 10343 86988 2	~ 7000
High-capacity ink cartridge Yellow	T617400	0 10343 86989 9	~ 7000
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

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SPECIFICATIONS†

Printing Technology

Epson MicroPiezo[®] ink jet technology

Resolution

Up to 5760 x 1440 dpi

Ink Type

Epson DURABrite[®] Ultra Ink

Maximum Print Speeds

Draft mode: 37 ppm black and color²
Default mode: 33 ppm black and 32 ppm color²
Best mode: 5 ppm black and 5 ppm color²
First page out: Less than 3 seconds in Mono/Color draft mode

High-yield Ink Cartridges²

Standard-capacity (C,M,Y): about 3,500 pages
Standard-capacity (K): about 3,000 pages
High-capacity (C,M,Y): about 7,000 pages
High-capacity (K): about 4,000 pages
Extra High-capacity (K): about 8,000 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

Estimated Street Price — \$549

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

Automatic duplex unit included for double-sided printing

Controller Specifications

Memory: 32MB
Printer control language emulations: ESC/P-Raster, ESC/P2 and PCL3 (available November 2008)
Resident typefaces:
compatible with all TrueType[®] fonts and supported Windows[®] and Macintosh[®] fonts

Connectivity

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[®], Windows Server 2003
Mac OS[®] 10.3.9 or later
For the latest information regarding Mac drivers, visit www.epson.com/B500dnmac in the U.S. and in Canada visit www.epson.ca/B500dnmac

Monthly Duty Cycle³

Monthly duty cycle of 20,000 pages (recommended monthly volume of 4,000 pages)

Power Requirements

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

Power Consumption

Printing mode: approximately 32 W
Ready mode: approximately 8 W
Sleep mode: approximately 4.5 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 19.3" x 12.3"

Weight

29.63 lb (13.44 kg)

Sound Level

Sound Power
Operating: 67.5 dB(A)
Ready mode: 30.0 dB(A)
Sleep mode: Background noise

Sound Pressure

Operating: 55.3 dB(A)
Ready mode: 12.6 dB(A)

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 Support C12C815341
Maintenance Box T619000

PACKAGING SPECIFICATIONS

B-500DN

Single Carton Dimensions 25.32" x 24.73" x 19.53"
Single Carton Weight 36 lb (16.33 Kg)
Units Per Pallet Up to 8

Standard Capacity Cartridges

Single Carton Dimensions 6.7" x 4.3" x 1.1"
Single Carton Weight 0.4 lb
Master Pack 60

High Capacity Cartridges

Single Carton Dimensions 6.7" x 4.3" x 1.1"
Single Carton Weight 0.5 lb
Master Pack 60

Extra High Capacity Black Cartridge

Single Carton Dimensions 11.4" x 4.3" x 1.1"
Single Carton Weight 1.0 lb
Master Pack 24

¹PPM speeds measured after first page, based on black and color text patterns on plain paper, in print mode indicated. Additional print time will vary based on system configuration, software application and page complexity. See www.epson.com/printspeed for more information about print speeds.

²Cost 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 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-500DN ships with standard-capacity ink cartridges. For more information about yields, see www.epson.com/cartridgeinfo

³Monthly 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

Epson Canada, Ltd.

3771 Victoria Park Avenue, Toronto, Ontario M1W 3Z5

www.epson.com

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