

B-510DN

Business Color Ink Jet Printer



"Unusually low cost per page for color printing ..."



Epson B-510DN
on a 5-star scale:
Features: ★★★★★
Performance: ★★★★★
Value: ★★★★★
Total: 14 out of 15

"... an outstanding replacement for the monochrome laser printer ..."

Powerful, economical, color, network printing in a space-saving design.

- **Fast color print speeds** — 37 ppm (maximum), 18 ISO ppm (color)[†] to support high-volume printing
- **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)¹
- **Economical ink cost per page** — as low as 4¢ per color page (when using the highest capacity ink cartridges available for the printer)¹
- **Versatile media handling** — rear sheet feeder accommodates labels, envelopes and more
- **High-capacity paper tray increases productivity** — holds up to 500 letter- or legal-size sheets to facilitate high-volume printing
- **Legal-size printing support** — via front paper tray or rear sheet feeder
- **Save paper and improve the bottom line** — when using the included automatic duplexer for double-sided printing
- **Great productivity for color printing** — monthly duty cycle of 20,000 pages (4,000 recommended) for high volume, network printing²

Product Name	Product Code	UPC	ISO Page Yields ¹
Epson B-510DN business color ink jet printer	C11CA67201	0 10343 87435 0	—
Legal-size paper support (for rear sheet feeder)	C12C815341	0 10343 86994 3	—
Extra High-capacity Black ink cartridge	T618100	0 10343 86985 1	~ 8000
High-capacity Black ink cartridge	T617100	0 10343 86986 8	~ 4000
High-capacity Cyan ink cartridge	T617200	0 10343 86987 5	~ 7000
High-capacity Magenta ink cartridge	T617300	0 10343 86988 2	~ 7000
High-capacity Yellow ink cartridge	T617400	0 10343 86989 9	~ 7000
Standard-capacity Black ink cartridge	T616100	0 10343 86990 5	~ 3000
Standard-capacity Cyan ink cartridge	T616200	0 10343 86991 2	~ 3500
Standard-capacity Magenta ink cartridge	T616300	0 10343 86992 9	~ 3500
Standard-capacity Yellow ink cartridge	T616400	0 10343 86993 6	~ 3500
Maintenance box	T619000	0 10343 86856 4	—

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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
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 legal-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

Automatic duplex unit included for 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, Windows XP, Windows XP Professional x64, Windows Vista®, Windows 7, Windows 7 x64, Windows Server 2003, Windows Server 2005 x64, Windows Server 2008, Windows Server 2008 x64, Mac OS® 10.4.11, 10.5.x, 10.6.x

Monthly Duty Cycle²

Monthly duty cycle of 20,000 pages (recommended monthly volume of 4,000 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 21.6" x 12.3"
(480 mm x 549 mm x 312 mm)

Weight (excluding ink cartridges)

24 lb (10.84 kg)

Sound Level

Sound Power

Operating:
Draft: 56 dB
Default: 55 dB
Best Photo: 38 dB
Ready Mode: Background noise
Sleep Mode: Background noise

Sound Pressure

Operating:
Draft: 7.0 dB
Default: 7.0 dB
Best Photo: 5.3 dB
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

PACKAGING SPECIFICATIONS

B-510DN

Single Carton Dimensions 21.7" x 24.1" x 17.7"
(552 mm x 612 mm x 450 mm)
Single Carton Weight 31.3 lb (14.2 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 0.416 lb (0.175 Kg)
Master Pack 60

High-capacity Cartridges

Single Carton Dimensions 6.7" x 4.3" x 1.1"
(170 mm x 109 mm x 28 mm)
Single Carton Weight 0.53 lb (0.24 Kg)
Master Pack 60

Extra High-capacity Black Cartridge

Single Carton Dimensions 11.4" x 4.3" x 1.1"
(290 mm x 109 mm x 28 mm)
Single Carton Weight 1.0 lb (0.44 Kg)
Master Pack 24

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 Support

Single Carton Dimensions 7.7" x 1.1" x 5.4"
(196 mm x 28 mm x 137 mm)
Single Carton Weight 0.15 lb (0.068 Kg)
Master Pack 5

† 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 Ink cost per color 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-510DN 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.

³ Some applications and/or functions may not be supported under Mac OS X. Utility software support provided by Apple's Rosetta for Intel®-based Macs.

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