



DELL 2145cn MULTIFUNCTION COLOUR LASER PRINTER



THE BUSINESS-VERSATILE COLOUR PERFORMER WITH DOUBLE-SIDED COPYING AND PRINTING

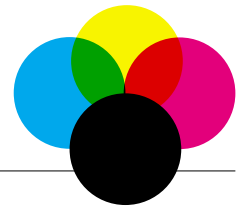
The Dell 2145cn Multifunction Colour Laser Printer is four devices in one - a colour laser printer, fax machine, scanner and copier - developed for businesses that are looking to save space and maintenance by consolidating multiple imaging devices. The 2145cn can produce up to 20 pages per minute (ppm) in both mono and colour, single or double-sided using the built-in duplex unit. With a print resolution of up to 2400 dpi x 600 dpi, you are assured of a brilliantly sharp output every time.

Robustly built and feature-packed, the 2145cn fits well into both a small office or medium-sized department. Save time by copying and scanning double-sided documents with ease using the 50 sheet duplex automatic document feeder. The included digital archiving software will help to keep your office documents organised and tidy.

The 2145cn is designed to grow with your future business needs. Optional accessories include a 500-sheet drawer, expandable memory and an 80GB hard disk. Outstanding reliability is assured with a handling capability of up to 65 000 pages per month.

Further details on our products at WWW.EURO.DELL.COM

DELL 2145cn MULTIFUNCTION COLOUR LASER PRINTER



PRODUCT BENEFITS

ALL-IN-ONE CONVENIENCE

The Dell 2145cn offers the functionality of four devices in one – enjoy high quality printing, faxing, scanning and copying in one robust device at an affordable price. Scan-to-Email is easy by choosing email addresses from your network directory using LDAP (Lightweight Directory Access Protocol) or a local address book. For added convenience, scan and print files directly from your USB flash drive using the easy access USB port on the front. Send colour faxes to your customer using the built-in colour fax functionality. Clear the clutter from your desk and files with digital archiving by using the included SmarThru Office™ software application.

AN IMPRESSIVE PERFORMER IN COLOUR OR BLACK

Print at speeds of up to 20 pages per minute (ppm) in colour or mono¹. Scan or copy in either single or double-sided (duplex) mode. Enjoy high quality colour output every time with a print resolution of up to 2400 dpi x 600 dpi for pin-sharp looking colour documents. Keep large print runs in-house with the ability to handle up to 65 000 pages per month.

EXPANDABLE TO PROTECT YOUR INVESTMENT

The Dell 2145cn is built to expand with your growing printing needs with optional accessories including a 500-sheet drawer, expandable memory and an 80GB hard disk.



LOW TOTAL COST OF PRINTING

The Dell 2145cn's consumables keep costs in check. High capacity black and colour toner cartridges deliver an affordable printing cost per page. A built-in duplexer means you can print and copy on both sides, which together with an in-driver print mode allows you to print multiple pages on 1 sheet of paper, reducing your paper costs.

SERVICE SATISFACTION ASSURED

Should something go wrong, Dell's standard 1-Year Limited Hardware Warranty⁴ and 1-Year Next Business Day Onsite⁴ Service will get your 2145cn up and running again promptly. Protect your investment even longer with an optional limited hardware warranty extension for up to five years.

ENVIRONMENTALLY CONSCIOUS DESIGN

Safeguard the planet while protecting your bottom line with Dell 2145cn. Duplex printing reduces unnecessary paper usage. The Dell 2145cn is Energy Star[®] certified. On average, Energy Star certified products are up to 25% more power efficient than conventional models. As with all Dell printers, the Dell 2145cn has been designed to reduce the use of materials and eliminate hazardous materials. Dell printer users can return toner cartridges to Dell for recycling at no cost. Dell also helps customers dispose of old printers and other computer equipment in an environmentally friendly manner.



Control panel view

Top View

Side view

Connectivity

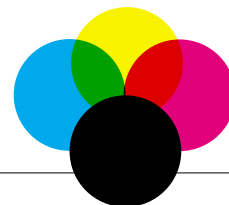
Toner cartridges

GET THE MOST OUT OF YOUR DELL PRINTER WITH GENUINE DELL OPTIONS AND SUPPLIES

Toner cartridges	Dell 2145cn black toner cartridge Dell 2145cn cyan toner cartridge Dell 2145cn magenta toner cartridge Dell 2145cn yellow toner cartridge <i>Black and colour toner yield based on testing in accordance with ISO/IEC 19798. Yields vary with usage and environmental conditions.</i>	standard: approximately 2500 pages high capacity: approximately 5500 pages standard: approximately 2000 pages high capacity: approximately 5000 pages standard: approximately 2000 pages high capacity: approximately 5000 pages standard: approximately 2000 pages high capacity: approximately 5000 pages
Additional paper drawer	An additional 500 sheet paper drawer is available for this printer enabling less frequent paper refills and easy access to different types of media (for example, plain paper in the standard drawer, preprinted notepaper in the second drawer) where supported by application.	
Additional memory	An optional 256 MB memory module is available for this printer. Additional memory may speed the processing of large/complex print files or networked print files	
Local disk	Depending upon application and network support, the optional 80 GB hard disk supports stored, delayed, secure and proof printing, print spooling and collated printing. Print spooling can speed print jobs and reduce network congestion, particularly with large, complex or multiple-copy documents. Collation can be accomplished more efficiently and with greatly reduced network traffic impact. Printer job management is improved with an embedded Job Management System. Data stored on the disk is secure and there is a secure erase function available.	
Cables	Dell 3 m Ethernet cable Dell 3 m USB cable	
Service and support	Installation service available Next Business Day onsite service options, extendable to 5 years ProSupport service options, extendable to 5 years	



DELL 2145cn MULTIFUNCTION COLOUR LASER PRINTER



Product description **Networked colour multifunction laser printer with two-sided printing unit for small and medium workgroups**

Print specifications

Print speed - colour ¹	Up to 20 A4 pages per minute (ppm)
Print speed - monochrome ¹	Up to 20 A4 pages per minute (ppm)
Warm-up time	From power-on to 'Ready' state on LCD operator panel - 49 seconds or less
First page out time from 'Ready' state	(Simplex A4, 600 dpi) monochrome, 25 seconds or less; colour, 25 seconds or less
Print resolution	600 x 600 dpi
User interface	2 line x 16 character backlit LCD text, 33 Keys & 16 Speed Dial Buttons, buzzer & speaker
Data streams	HP PCL [®] 5c/6 Emulation, Adobe PostScript 3™
Processor speed	360 MHz
Memory (RAM)	128 MB standard, optional 256 MB module (384 MB maximum)
Duty cycle	Maximum 65 000 pages per month
Typical Monthly Print Volume	1000 to 7000 pages per month

Scan specifications

Mode	Flatbed or ADF (Automated Document Feeder)
Optical resolution	Up to 600 x 1200 dots per inch (dpi)
Scan depth	Colour, 24 bit : mono, 1 bit (line art) or 8 bit greyscale
Scan size	Flatbed maximum 216 x 297 mm, via ADF 216 x 356 mm
Network scanning facilities	E -mail, client, server
Scan formats supported	TIFF, JPEG, PDF, BMP
Scanner duty cycle	850 pages per month

Copy specifications

Available copy modes	Text, Mixed (Text/Photo), Magazine, Photo
Warm-up time	49 seconds or less from power-on to 'Ready' state on LCD operator panel
First copy out time from 'Ready' state	(Simplex A4, 600 dpi) monochrome, 25 seconds; colour, 28 seconds
Copy speed ¹	Single-page document, 600 x 600 dpi: mono up to 20 ppm A4, colour up to 20 ppm A4 Multiple-page document from ADF, 600 x 600 dpi: mono up to 20 ppm A4, colour up to 20 ppm A4
Copy settings	ID Copy, Clone Copy, N-up Copy, Poster Copy Color & B/W, Reduce/Enlarge, Auto-fit, Darkness
Maximum copies	99
Zoom	25% to 400%

Fax specifications

Mode	Standalone mono and color (send only) fax with numerical keypad, PC fax (mono send only)
Compatibility	ITU-T G3
Communication System	PSTN, PBX
Speed	33.6 Kbps
Speed Dial	Up to 240 locations
Memory Size	4 MB

Duplex Automatic Document Feeder (ADF) specifications

Capacity	50 sheets, paper weights 60 to 90 gsm
Supported paper sizes	Maximum 356 mm by 216 mm Minimum 148 mm by 142 mm

Paper handling

Standard input sources	250 sheet covered drawer, 100 sheet multipurpose tray
Additional input drawers	Optional additional 500 sheet covered drawer.
Maximum input capacity	850 sheets (250 + 100 + 500)
Duplex facility (print both sides)	Standard
Standard output destination	170 sheet bin
Supported media types	Plain Paper, Thick, Thin, Cotton, Bond, Preprinted, Colour Paper, Recycled and Envelope
Supported paper sizes and weights	
- Standard 250 sheet drawer	A4, A5, A6, B5, Folio, Executive, Statement, Monarch, Oficio , paper weight 60 to 105 gsm
- Multipurpose tray (150 sheets)	A4, A5, A6, B5, Folio, Executive, Statement, Monarch, Oficio , paper weight 60 to 163 gsm
- Duplex Automatic Document Feeder	A4, A5, A6, B5, Folio, Executive, Statement, Monarch, Oficio , paper weight 60 to 90 gsm
- Optional 500 sheet drawer	A4, A5, A6, B5, Folio, Executive, Statement, Monarch, Oficio , paper weight 60 to 105 gsm
Page layout options	Portrait or Landscape orientation, multiple copies, duplex printing, multipage printing (N-up), poster printing, watermarks
Printable area	Maximum printable area 206 mm x 293 mm
Edge of paper margins	Top, 4 mm; bottom, 4 mm; left, 4 mm; right, 4 mm

Connectivity

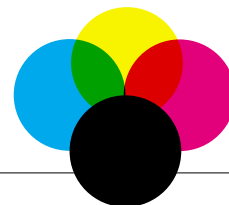
Interfaces	USB 2.0 High speed port (type B connector), Ethernet 10BaseT/100Base-TX port, USB 2.0 Host Port (Direct USB Print, Scan to USB) - (cables not included)
Print languages and fonts	HP PCL [®] 5c/6 emulation, 56 fonts: Adobe PostScript 3™, 136 fonts
Client/Network Operating Systems (OS)	Microsoft [®] Windows [®] (XP 32/64 bit, Vista 32/64 bit, 2000, Server 2003 32/64 bit, Server 2008 32/64 bit), Mac OS X (10.3 - 10.5), Linux OS (Red Hat 8-9), Fedora Core 1-4, Mandrake 9.2 - 10.1 and Suse 8.2-9.2
Transport/Network protocols	Latest printer drivers available from http://support.euro.dell.com <i>IPv4 Only: TCP/IP, Port 9100, LPD, IPP, BOOTP, SLP, mDNS, SMB, LDAP, HTTP</i>

Consumables

Toner management	In conjunction with the printer and software, features include toner level reporting, low toner alerts, auto-generated alert e-mails, toner conservation, and the Dell Toner Management System™.
Shipped toner cartridge capacity ²	The printer ships with standard capacity toner cartridges - approximately 2500 pages black and approximately 2000 pages each for cyan, magenta and yellow
Standard toner cartridge capacity ²	Approximately 2500 pages black and approximately 2000 pages each for cyan, magenta and yellow
High capacity toner cartridges ²	Approximately 5500 pages black and approximately 5000 pages each for cyan, magenta and yellow
Additional toner	Available through Dell online, by telephone or through your selected reseller
Toner recycling	Toner cartridges are recyclable using Dell's recycling programme, details of which are included with each product



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Language and regulatory certifications

Language support	Softcopy user guide on driver CD, printer software English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish, Czech. Printer firmware (including LCD operator panel) and embedded web software English, French, Italian, German, Spanish, Dutch.
Safety certifications	Basic set-up and product safety instructions English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish, Czech. IEC/EN60950-1:2001 (International); IEC60825-1 (Laser); CE Mark (EU); NEMKO(Nordic); GS Mark (Germany); GOST and Hygienic (Russia); SABS (South Africa); UL/cUL Listed (UL60950-1 US/Canada); FDA/DHHS (21CFR, Chapter 1, Subchapter J, Class-1 Laser, US); other safety approvals required by individual countries.
EMC certifications	EN55022:2006; EN61000-2006; EN 61000-3-3:1995 + A1:2001+A2:2005; EN55024:1998+A1:2001+A2:2003; FCC CFR Title 47, Part 15 Subpart B; FCC Part 68 (USA); ICES-003(Canada); CE (EU countries)
Other certifications and compliances	WHQL, RoHS compliant ⁴ , Energy Star [®] -compliant, Blue Angel.
Printer recycling	Details of Dell's printer recycling programme are included with each new printer (applies to Western Europe only).

Printer management

Compatible printer management software	Dell Printer Configuration Web Tool; Printer Setting Utility (PSU), Scan Manager, SmarThru Office [®] and Dell Toner Management System [™] .
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Printer options and accessories

Additional paper capacity	Additional 500 sheet paper drawer is available for this printer, enabling less frequent paper refills or easy access to different types of media (for example, plain paper in the standard drawer, preprinted notepaper in the second drawer) where supported by application. 500 sheet paper drawer dimension (WxDxH) 468 mm x 471 mm x 146 mm : weight 5 kg.
Additional memory	An optional 256 MB memory module is available for this printer. Additional memory may speed the processing of large/complex print files or networked print files
Local disk	Depending upon application and network support, the optional 80 GB printer disk supports stored, delayed, secure and proof printing, print spooling and collated printing. Print spooling can speed print jobs and reduce network congestion, particularly with large, complex or multiple-copy documents. Collation can be accomplished more efficiently and with greatly reduced network traffic impact. Printer job management is improved with an embedded Job Management System. Data on the disk is secure and there is a secure erase function available.

Service options

Standard Service	24 x 7 online Technical Support for the life of the product 12 months access to Dell's telephone technical printer support queue 12 months Next Business Day Onsite Service ⁴
Fuser maintenance	Dell Laser Printer Next Business Day Onsite Service ⁴ includes fuser maintenance parts and part replacement for the duration of the service contract
Service Options	Two, three, four and five-year extended service options available Upgrades available to one, two, three, four or five-year Dell ProSupport Optional installation service available

Physical specifications

What's included in the box	Dell 2145cn Colour Laser Printer, Drivers and Utilities CD (Printer Driver files, user guide in various languages and Dell Toner Management Software [™]), Dell 2145cn ship-with black toner cartridge (2500 page yield ²), Dell 2145cn ship-with colour toner cartridges (2000 page yield ²), User setup information placemat, Product Information Guide
Dimensions (mm)	Printer: 468 mm W x 498 mm D x 651 mm H <i>Printer fully configured (including optional 500 sheet paper drawer): 468 mm W x 498 mm D x 851 mm H</i> Shipping carton: 650 mm W x 645 mm D x 920 mm H
Weight	36 kg including standard toner cartridge; shipping weight 44 kg (slight variations depending upon versions of manuals shipped with printer)
Operating environment	Operating: air temperature 15°C to 30°C, Relative Humidity 20-80% non-condensing, altitude 4000 m or less Storage (unpacked): air temperature 5°C to 35°C, Relative Humidity 15-80%, altitude 4000 m or less Storage (packaged): air temperature -20°C to 50°C, Relative Humidity 5-80%, altitude 4000 m or less
Acoustics	Printing (Simplex Mode): Sound Pressure, Operator position (LpAm) ⁵ 53 dBA Sound Pressure, Bystander position (LpAm) ⁵ 32 dBA Standby Mode: Average Sound Power (LWAm), declared ⁵ 32 dBA
Voltage	220-240 v, 47 to 63 Hz nominal. Power cord included with shipped printer
Power consumption	Continuous printing 580 W; Standby mode 82 W; Powersaver mode 18W or less; Off 0 W. Energy Star [®] -compliant
Typical electricity consumption ⁶	4.03 kWh per week ⁶ ; Energy Star [®] -compliant - see http://www.energystar.gov/ia/products
Maximum current while printing	3.6 A at 230 v AC
Power Save options	User-definable - 5-120 minutes (default 20 min)

NOTES

1. Print speed quoted refers to A4 page using default print mode (600 x 600 dpi simplex). Actual print speed may vary depending upon system configuration, software application and document complexity.
2. Black and colour toner yield based on testing in accordance with ISO/IEC 19798. Yields vary with usage and environmental conditions.
3. Meets the requirement of the EU Directive on the restriction of use of certain hazardous substances in electrical and electronic equipment dated 27 January 2003
4. Service may be provided by third party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned. Replacements may be refurbished.
5. Tested in accordance with ISO 7779 and reported in accordance with ISO 9296, Acoustics.
6. The Typical Energy Consumption value is derived from printer energy consumption specifications combined with typical business printing usage for this model. The midpoint of the Typical Monthly Print Volume is assumed to be printed at 30 minute intervals across a 10 hour business day (0800-1800), 5 days per week. A mixture of 50% mono: colour print is assumed. The printer enters standby mode when the print job is complete, and enters sleep mode after the default period. The printer is assumed to remain in sleep mode at all other times including two weekend days. Energy consumption will be further reduced if the printer is powered down when not in use for long periods. Actual energy consumption will vary according to print volume and usage patterns.

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