



## DELL 2330d/2330dn LASER PRINTERS

RELIABLE, HIGH-SPEED MONOCHROME LASER  
PRINTING AT AN AFFORDABLE COST



With the Dell Laser Printer 2330d you can now benefit from high quality, high-speed laser printing - right on your desk. With the 2330dn model, which enhances the 2330d features with networking capabilities, small business and small workgroup users can also easily share the printer over a network.

In addition to the attractive price and low per-page cost of printing, the Dell Laser Printer 2330d/dn offers fast, high-resolution output with professional quality; dual-sided printing capability as standard to help you reduce paper consumption; and the ability to handle large print volumes to meet your growing business needs. Setting up and operating the 2330d/dn is simple thanks to its large LCD panel and intuitive user interface. The printer is backed by a comprehensive, warranty extendable to five years; and offers a range recycling options to help you protect the environment.

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## USER BENEFIT

### HIGH QUALITY AT A HIGH SPEED

With 600 x 600 dpi native and up to 1200 x 1200 dpi true print resolution, the 2330d/dn produces crisp, professional business graphics and text documents. The standard duplexing capability makes dual-sided printing easy. And at a printing speed of up to 33 A4 pages per minute<sup>1</sup> you won't have to wait long for your documents.

### ROOM TO GROW WITH YOUR BUSINESS

Whether used in a personal configuration or shared over a network, the 2330d/dn has plenty of room to grow along with your future business requirements. The printer has been designed for a duty cycle of up to 50,000 pages per month. The optional drawer allows you to handle up to 550 sheets of paper; the additional memory module can help the printer handle bigger workloads.

### SIMPLE MANAGEMENT AND EFFORTLESS MAINTENANCE

Operating the 2330d/dn is straightforward thanks to the large LCD display as well as the intuitive menu interface. The Dell Printer Configuration Web Tool uses the familiar Web browser interface to provide you with direct access to printer information and makes managing the 2330dn simple. The Dell Toner Management System alerts you of low toner levels. Reordering toner is as easy as a few clicks at the dedicated Dell website [www.dell.com/supplies](http://www.dell.com/supplies), by telephone.

### LOW COST OF PRINTING AND INVESTMENT PROTECTION

With an attractive price and low per-page cost of printing, the 2330d/dn makes high performance monochrome laser printing affordable for small and medium-size businesses. The printer's robust design and high reliability, combined with a broad range of Dell support services, ensure that your investment is well protected.

### PRINTING WITH THE ENVIRONMENT IN MIND

The 2330d/dn's paper drawer supports the use of recycled paper and the re-use of freshly printed paper. The "N-Up" multiple-sheet feature reduces paper consumption by enabling the printing of multiple pages on a single sheet of paper. Energy Star qualified imaging equipment is 25% more efficient than conventional models according to US Environmental Agency (source [www.energystar.gov](http://www.energystar.gov)). As all Dell printers, it has also 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.



Dell 2330d/2330dn Laser printer

Dell 2330d/2330dn Laser printer with optional 550 sheet paper drawer. Opened 250 sheet standard drawer

Dell 2330d/2330dn Laser printer with optional 550 sheet paper drawer. Opened 50 sheet standard multipurpose tray

Dell 2330d/2330dn Laser printer operator panel

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

<b>Replacement toner cartridges</b>	Dell 2330d/2330dn mono toner cartridge - standard (approximately 2000 pages) Dell 2330d/2330dn mono toner cartridge - high capacity (approximately 6000 pages) <i>Toner yield based on testing in accordance with ISO/IEC 19752. Yields vary with usage and environmental conditions.</i>
<b>Additional paper drawer</b>	An additional optional 550 sheet paper drawer is available for this printer, enabling less frequent paper refills
<b>Additional memory</b>	An optional 128 MB DDR2 memory module is available for Dell 2330d and an optional 256 MB memory module for Dell 2330dn. Additional memory may speed up the processing of large/complex print files, or networked print files
<b>Connectivity</b>	Dell 3 m Ethernet cable Dell 3 m USB cable
<b>Service and support</b>	Installation service available 2, 3, 4 or 5 year, Next Business Day Advanced Exchange Service <sup>4</sup>



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<b>Product description</b>	High-speed, high-quality monochrome laser printer available in personal (2330d) and network/workgroup configurations (2330dn)
<b>Printer specifications</b>	
Print speed <sup>1</sup>	Up to 33 A4 pages per minute (ppm)
First page out time	
-From 'Ready' state	7 seconds or less (Simplex A4, 600 dpi)
-From 'Power Saver' mode	7.5 seconds (Simplex A4, 600 dpi)
Print resolution	600 x 600 dpi (default driver setting), true 1200 x 1200 dpi available as driver setting
User interface	2 line x 16 character backlit LCD (text and graphics), 1 LED and 6 button keypad
Data streams	PCL® 5e, PCL 6, PCL XL/HBP (GDI), XPS (GDI) and PostScript® Level 3 Emulation
Processor	400 MHz
Memory (RAM)	<i>Dell 2330d:</i> 32 MB standard, 160 MB maximum using optional 128 MB memory module <i>Dell 2330dn:</i> 32 MB standard, 288 MB maximum using optional 256 MB memory module
Memory expansion	One DIMM slot available for optional 128 MB (2330d) or 256 MB (2330dn) memory expansion card
Duty cycle	Up to 50 000 pages per month
Typical Monthly Print Volume	2330d - 250-1500 pages per month; 2330dn - 750-3000 pages per month
<b>Paper handling</b>	
Standard input sources	250 sheets covered drawer (75 gsm stock) and 50 sheet multipurpose tray
Additional input capacity	One optional 550 sheet drawer is available for this printer model
Maximum input capacity	850 sheets (250 drawer standard + 50 multipurpose tray standard + 1 x optional 550 sheet drawer)
Duplex unit	Automatic duplex unit (print both sides) included as standard
Standard output destination	150 sheet bin face-down
<i>Supported media types, sizes and paper weights</i>	
Media types supported	Plain, Recycled, Light, Heavy, Bond, Rough (no Duplex support), Coloured, Greeting Card Stock (no duplex support), Envelopes (Supported from MPF only, no duplex support), Labels (paper type), Transparencies (laser), Letterhead, Preprinted Media and Size: A4, A5, A6, JIS B5, US Letter, US Legal, Executive, Folio, Statement, Universal. Minimum feed size is 105 mm x 148 mm: maximum feed size is 216 x 356 mm. Types: Paper, paper labels, transparencies Weight: 60 - 90 gsm
Standard 250 and optional 550 sheet drawers	Media and Size: A4, A5, A6, JIS B5, US Letter, US Legal, Executive, Folio, Statement, Universal. C5 Envelope, DL Envelope, 7 ¼ Envelope, 9 Envelope, 10 Envelope, B5 Envelope, Other Envelope. Minimum feed size is 76 x 127 mm, maximum paper size (Universal size) is 216 x 356 mm. Maximum envelope size (Other size) is 216 x 356 mm. Types: Paper, paper labels, transparencies, card stock, envelopes Weight: 60 - 160 gsm <i>NOTE: When printing card stock using the multipurpose feeder, open the rear exit</i>
Multipurpose tray (up to 50 sheets)	Media and Size: A4, A5, A6, JIS B5, US Letter, US Legal, Executive, Folio, Statement, Universal. C5 Envelope, DL Envelope, 7 ¼ Envelope, 9 Envelope, 10 Envelope, B5 Envelope, Other Envelope. Minimum feed size is 76 x 127 mm, maximum paper size (Universal size) is 216 x 356 mm. Maximum envelope size (Other size) is 216 x 356 mm. Types: Paper, paper labels, transparencies, card stock, envelopes Weight: 60 - 160 gsm <i>NOTE: When printing card stock using the multipurpose feeder, open the rear exit</i>
Duplexer	Media and Size: A4, Folio, Letter, Legal. Types: Paper. Weight: 60 - 160 gsm
Page layout options	Portrait or Landscape orientation, multiple copies, duplex printing, multipage printing (N-up), booklet printing, watermarks, collate
Printable area	Within 4 mm of all edges of the media
<b>Connectivity</b>	
Standard interfaces	Hi-Speed USB 2.0 port, Parallel port: 2330dn adds 10/100 baseT RJ45 Ethernet port. <i>Note - cables are not included</i>
Print languages and fonts	89 scalable PS3/PCL fonts, including OCR-A, OCR-B and code 3 of 9 bar codes; 2 bitmapped PCL Fonts
Operating Systems (OS) support	MS Windows 2008 sever, 2003 Server, 2000 Server, XP 32 bit/64 bit, 2000, Microsoft Vista 32 bit/64 bit. RedHat Linux 3.0,4.0,5.0 WS SuSE Linux 10.x or later. NetWare 5.1, 6.0. Macintosh version (OS 9.0 or later and OS X or later), Unix (PS PPD for Sun Solaris 8,9,10.0) and HP UX 11i. Citrix Metaframe. SAP. <i>Latest printer drivers available from <a href="http://support.euro.dell.com">http://support.euro.dell.com</a></i>
Network protocols	TCP/IP v4, IP v6 (DHCP, DNS, 9100, LPR, SNMP, HTTP), Novell NetWare (NDS, Bindery, iPrint), DHCP, BOOTP, SLP, SSDP, Rendezvous (Bonjour), DDNS-Lite, WINS, TCP (Port 2000), LPR (Port 515), Raw (Port 9100), IPP Port Printing/Secure-IPP, SNMPv1/2, HTTP, SMTP (E-mail Notification)
<b>Consumables</b>	
Toner management	In conjunction with the printer and software, features include toner level reporting, low toner alerts, auto-generated alert e-mails, toner conservation, Web access via Dell Printer Web Tool, and the Dell Toner Management System™. (Network features available only on 2330dn version.)
Ship-with toner cartridge capacity <sup>2</sup>	The printer ships with a standard capacity toner cartridge (approx 2 000 pages coverage)
Replacement toner cartridge capacity <sup>2</sup>	Standard capacity (approx 2 000 pages coverage) or High capacity cartridges (approx 6 000 pages coverage) are available for this printer
Additional toner	Available through Dell online, by telephone.
Toner recycling	Toner cartridges are recyclable using Dell's recycling programme, details of which are included with each product
Additional consumables	A customer replaceable 30,000 page imaging drum is available for this product
<b>Language and regulatory certifications</b>	
Printer firmware including LCD operator panel, and printer driver software	English, Japanese and Simplified Chinese
User documentation	<i>Softcopy user manual on CD</i> in English, Japanese (Kanji) and Simplified Chinese
Safety certifications	IEC/EN60950-1:2001 (International); IEC60825-1 (Laser); CE Mark (EU); NEMKO(Nordic); GS Mark (Germany); GOST and Hygienic (Russia); SASO (Saudi Arabia); 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 Class B; EN61000-3-2:2006; EN 61000-3-3:1995+A1:2001+A2:2005; EN55024:1998+A1:2001+A2:2003; FCC CFR Title 47, Part 15 Class B (USA); ICES-003, Issue 4 (Canada); CE (EU countries); GOST (Russia); SABS (South Africa)
Design for environment	Meet requirements found in DN362 Design for Environment including material restrictions and energy consumption requirements
Other certifications and compliances	SAP, Novell Yes, Citrix ready, Cerner, Citrix Metaframe XP Presentation Server, Citrix Metaframe Presentation Server 4.0 and 4.5. EU WEEE, Energy Star-compliant, RoHS compliant (lead-free), Blue Angel (Germany), GS Mark



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## Printer management

Software included	Dell Toner Management System™ intelligent toner monitoring proactively notifies you before you run out of toner. Dell Printer Web Tool. Local Printer Setup Utility. TCP/IP Setup Utility ( <i>network functions available only on 2330dn model</i> )
Compatible printer management software	Lexmark MarkVision Pro, CA Unicenter (non-64 bit), HP Openview (non-64 bit), and virtually any printer or device network management system that supports SNMP. Embedded Web Server (EWS)

## Warranty and Service options

Standard Service	24x7 online Technical Support 12 months access to Dell's telephone technical printer support queue 1 year limited hardware warranty and 12 Months Next Business Day Advanced Exchange Service <sup>4</sup>
Fuser maintenance	Dell Laser Printer next business day service 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 and five-year Dell Pro Support Optional installation service available

## Printer options and accessories

Additional input paper capacity	Additional optional 550 sheet drawer can be fitted - Additional 550 sheet paper drawer dimensions W x D x H - 426 mm x 370 mm x 130 mm, weight 3.4 kg. Stacked with printer - additional drawer W x D x H - 426 mm x 370 mm x 395 mm
Additional memory	An optional 128 MB DDR2 memory module is available for Dell 2330d and an optional 256 MB memory module for Dell 2330dn. Additional memory may speed the processing of large/complex print files, or networked print files

## Physical specifications

Dimensions (mm)	<i>Printer:</i> 426 mm W x 370 mm D x 256 mm H (265 mm including LCD panel protrusion) <i>Shipping carton:</i> 520 mm W x 430 mm D x 355 mm H
Weight	14.1 kg including standard toner cartridge (13 kg excluding standard toner cartridge); shipping weight 16.7 kg
Operating environment	<i>Operating:</i> air temperature 16°C to 32°C, Relative Humidity 8-80% non-condensing, altitude 2500 m or less <i>Storage (unpacked):</i> air temperature 0°C to 40°C, Relative Humidity 8-80%, altitude 3000 m or less <i>Storage (packaged):</i> air temperature -20°C to +40°C, Relative Humidity 8-95%, barometric pressure > 250 mbar
Acoustics	<i>Printing (Simplex mode/standard drawer):</i> Sound Pressure, 1Metre Average(LpAm) <sup>5</sup> 53.0 dBA Sound Pressure, Operator position (LpAm) 53.0 dBA Average Sound Power (LWAm), declared <sup>6</sup> 6.7 dBA <i>Quietmode</i> Sound Pressure, 1Metre Average(LpAm) <sup>5</sup> 48.0 dBA Average Sound Power (LWAm), declared <sup>6</sup> 6.3 dBA <i>Standby Mode:</i> Sound Pressure, 1Metre Average(LpAm) <sup>5</sup> Inaudible Average Sound Power (LWAm), declared <sup>6</sup> Inaudible
Voltage	220-240 v AC, 47 to 63 Hz nominal. 90 - 110 V at 50/60 ± 3 Hz (Japan only) Power cord included with shipped printer.
Power consumption	Printing 590 W: Standby mode 13 W: Sleep mode 13 W: Off 0 W. Energy Star®-compliant
Typical electricity consumption	2.7 kWh per week <sup>7</sup> . Energy Star®-compliant - see <a href="http://www.energystar.gov/ia/products">http://www.energystar.gov/ia/products</a>
Power Save options	User-definable - 1-240 minutes (default 60 min)

## NOTES

- 1 Print speed quoted refers to A4 Simplex (single-sided) page using default print mode (600 dpi). Actual print speed may vary depending upon system configuration, software application and document complexity
- 2 Tested in accordance with ISO/IEC 19752 testing methodology. Yields vary with usage and environmental conditions.
- 3 Meets the requirements of the EU Directive on the Restriction of the use of certain Hazardous Substances (RoHS) 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 (except where prohibited by local laws).
- 5 Typical measurements based on ISO 7779
- 6 Tested in accordance with ISO 7779 and reported in accordance with ISO 9296, *Acoustics* - Declared noise emission values of computer and business equipment
- 7 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. 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.

