



DELL 2230d LASER PRINTER



COMPACT MONO LASER BUILT TO HANDLE YOUR BIGGER PRINT TASKS

With a printing speed of up to 33ppm, the Dell 2230d Laser Printer makes light work of monochrome printing tasks, yet with its small footprint (406 mm x 370 mm) and low noise, it can sit comfortably and quietly on your desk or any office environment.

A resolution of up to 1200 x 1200 dpi ensures your printouts are razor sharp for both monochrome graphics and text. And if the workload increases, relax - the robust Dell 2230d is designed to handle up to 35 000 pages per month.

You'll like having the Dell 2230d around the office. It has a simple 5 LED, 2 button user interface that's very straightforward to operate. The Duplex printing capability saves paper and reduces filing storage. The Dell Toner Management System™ alerts you of low toner levels in good time.

As you would expect from Dell, the 2230d is backed by Dell support services for peace of mind.

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PRODUCT BENEFITS

HIGH QUALITY AT HIGH SPEED

With up to 1200 x 1200 dpi true print resolution, the Dell 2230d produces razor sharp printouts for both business graphics and text. The standard duplexing capability makes dual-sided printing simple. And you won't have to wait long for your documents. The Dell 2230d has instant warm-up technology for a first page out time of only 7 seconds and prints at up to 33 A4 pages per minute (actual speed will vary with use).

LOW COST OF PRINTING

The Dell 2230d delivers high quality printing in a compact form factor and a staggering monthly duty cycle of 35 000 pages per month. The Dell 2230d also features low total cost of printing, making mono laser printing technology affordable for small businesses. Dell support services ensure that your investment is well protected.

ROOM TO GROW WITH YOUR BUSINESS

The Dell 2230d has plenty of room to grow along with your future business requirements. It is easily expandable with an optional 250-sheet paper drawer as well as additional memory for the most demanding high capacity printing.

levels in good time. Re-order toner with just a few clicks at the dedicated Dell website www.dell.com/supplies by telephone or through selected resellers.

SERVICE SATISFACTION ASSURED

Dell's standard 1-Year Limited Hardware Warranty⁴ and 1-Year Advanced Exchange Service⁴ is there to keep your Dell 2230d up and running. Protect your investment even longer with an optional limited hardware warranty extension up to 5 years.

ENVIRONMENTALLY CONSCIOUS DESIGN

Safeguard the planet while protecting your bottom line. The Dell 2230d'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 multiple page printing on a single sheet of paper. The Dell 2230d is Energy Star[®] certified. Energy Star certified imaging equipment is 25% more efficient than conventional models according to US Environmental Agency (source www.energystar.gov). As with all Dell printers, the Dell 2230d 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 conscious manner.



EASE OF USE

Operating the Dell 2230d is straightforward thanks to the 5 LED, 2 button user interface. The Dell Toner Management System™ alerts you of low toner



Top view



Toner cartridge



Connectivity



Control panel view



With additional 250 sheet paper drawer

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

Toner cartridges	Dell 2230d black toner cartridge	standard: approximately 3500 pages <i>Toner yield based on testing in accordance with ISO/IEC 19752. Yields vary with usage and environmental conditions.</i>
Additional Consumables	Dell 2230d Imaging Drum Kit	standard: approximately 30 000 pages
Connectivity	Dell 3 m USB cable	
Service and support	Installation service available Next Business Day advanced exchange onsite service options, extendable to 5 years ProSupport service options, extendable to 5 years	



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Product description

Personal laser printer offering value and high performance printing in a small form-factor.

Print specifications

Print speed ¹	Up to 33 ppm A4 (Actual print speed will vary with use)
First page out time	From 'Ready' state - As fast as 7.0 seconds From 'Power Saver' mode - As fast as 7.5 seconds
Print resolution	600 x 600 dpi (printer default), 1200 dpi (driver default), maximum 1200 x 1200 dpi
User interface	5 LED and a 2 button keypad
Data streams	HP PCL® 5e, HP PCL® XL, HBP (GDI), XPS (GDI) and Adobe® PostScript® Level 3 Emulation
Processor speed	400 MHz
Memory (RAM)	Dell 2230d: 32 MB standard, 160 MB maximum using optional 128 MB memory module
Memory expansion	One DIMM slot available for optional 128 MB memory module
Maximum Duty cycle	Up to 35 000 pages per month

Paper handling

Standard input sources	250-sheet covered drawer (75 gsm stock) and 1-sheet multipurpose tray
Additional input capacity	Optional 250-sheet drawer can be fitted (maximum capacity 501 sheets inclusive of multipurpose tray)
Maximum input capacity	501 sheets (250-sheet drawer + 1-sheet multipurpose tray + 1 x optional 250-sheet drawer)
Duplex unit	Automatic duplex unit (print both sides) included as standard.
Standard output destination	150 sheets bin face-down

Supported media types, sizes and paper weights

Media types supported	Plain, Recycled, Light, Heavy, Bond, Rough (no Duplex support), Coloured, Greeting Card Stock (No Duplex support), Envelopes (Supported from MPT only, no duplex support), Labels (Paper type), Transparencies (Laser), Letterhead, Pre-printed
250-sheet standard tray (Tray 1)	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
Optional 250-sheet drawer (Tray 2)	Media and Size: A4, A5, A6, JIS B5, US Letter, US Legal, Executive, Folio, Statement, Universal. Minimum feed size is 149 mm x 210 mm Maximum feed size is 216 x 356 mm Types: Paper, Paper labels, Transparencies Weight: 60 - 90 gsm
Multipurpose Tray	Media and Size: A4, A5, A6, JIS B5, US Letter, US Legal, Executive, Folio, Statement, Universal, 7 3/4 Envelope, 9 Envelope, 10 Envelope, B5 Envelope, C5 Envelope, DL Envelope, Other Envelope. Minimum feed size is 76.2 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 - 163 gsm NOTE: When printing card stock using the multipurpose feeder, open the rear exit.
Duplexer	Media and Size: A4, Folio, Letter, Legal Types: Paper Weight: 60 - 163 gsm
Page layout options	Portrait or Landscape orientation, multiple copies, duplex printing, multipage printing (N-up), watermarks, collate
Printable area	Within 4 mm of all edges of the media

Connectivity

Standard interfaces	Hi-Speed USB 2.0 port, Parallel IEEE-1284. <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 Server, 2003 Server, 2000 Server, XP 32bit/64 bit, 2000, Microsoft Vista 32bit/64bit. RH Linux 3.0, 4.0, 5.0 WS SuSE Linux 10.x or later. NetWare 5.1, 6.0. Macintosh version (OS X or later), Unix (PS PPD for Sun Solaris 8,9,10.0) HP UX 11i. Citrix Metaframe. SAP.

Consumables

Toner management	In conjunction with the printer and software, features include toner level reporting, low toner alerts and toner conservation.
Ship-with toner cartridge capacity ²	The printer ships with a standard capacity toner cartridge (approx 1 000 pages at 5% coverage)
Refill toner cartridge capacity ²	Standard capacity (approx 3 500 pages at 5% coverage) is available for this printer
Imaging Drums	Standard Imaging Drum with 30 000 pages yield
Additional toner	Available through Dell online, by telephone or through selected resellers
Toner recycling	Toner cartridges are recyclable using Dell's recycling program, details of which are included with each product
Additional Consumables	NA

Language and regulatory certifications

Printer firmware and printer driver software (NO Op Panel)	English, French, Italian, German, Spanish, Dutch, Japanese and Simplified Chinese
User documentation	Softcopy user manual on CD in English, French, Italian, German, Spanish, Danish, Dutch, Norwegian, Swedish, Finnish, Iberian Portuguese, Brazilian Portuguese, Polish, Czech, Greek, Arabic, Hebrew, Russian, Turkish, Japanese (Kanji) and Simplified Chinese. Basic set-up and safety instructions available in 9 languages.
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 Environmental design requirements including material restrictions and energy consumption requirements i.e. EU WEEE, RoHS ² compliant, Energy Star-compliant, Blue Angel Compliant.
Other certifications and compliances	N/A



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Printer management

Software included Dell Toner Management System™ intelligent toner monitoring proactively notifies you before you run out of toner.
Printer Alert Utility.

Warranty and Service options

Standard Service 24 x 7 toll-free Technical Support for the life of the product
1 year limited hardware warranty⁴ and 12 months Next Business Day Advance Exchange

Printer options and accessories

Refill toner cartridges Dell 2230d black toner cartridge - standard (approximately 3500 pages)²
Additional input paper capacity One additional optional 250 sheet drawer can be fitted (maximum capacity 501 sheets)
Additional 250 sheet paper drawer dimensions WxDxH - 406 mm x 367 mm x 89 mm, weight 2.55 kg.
Additional memory An optional 128 MB DDR2 memory module is available for the Dell 2230d. Additional memory may speed the processing of large/complex print files

Physical specifications

Dimensions WxDxH Printer: 406 mm x 370 mm x 260 mm
Shipping carton: 460 mm x 420 mm x 355 mm
Weight Printer: 13.53 kg
Shipping carton: 15.7 kg
Operating environment Operating: air temperature 16°C to 32°C Relative Humidity 8 - 80%, altitude 2500m
Storage (unpackaged): air temperature 0°C to 40°C Relative Humidity 8 - 80%
Storage (packaged): air temperature -20°C to 40°C, Relative Humidity 8 - 95%, 0.25 atmospheric pressure equivalent to altitude 10 300 m
Acoustics Printing (Simplex Mode/Main Tray):
Sound Pressure, Bystander position (LpAm)⁵ 53 dBA
Sound Pressure, Operator position (LpAm)⁵ dBA
Average Sound Power (LWAm), declared⁵ 6.7 dBA
Standby Mode:
Sound Pressure, Bystander position (LpAm) Inaudible
Average Sound Power (LWAm), declared⁵ dB(A)
Voltage 220 - 240 V at 50/60 ± 3 Hz (not available in all countries). Power cord included with shipped printer.
Power consumption Printing 470 W: Standby mode 13 W: Sleep mode 13 W: Off 0 W. Energy Star®-compliant
Typical electricity consumption⁶ 2.836 kWh per week. Energy Star®-compliant - see <http://www.energystar.gov/ia/products>
Power Save options User-definable - 1-240 minutes (default 60 min)

Service and Support

2 - 5 Year Next Business Day Advanced Exchange Service⁴
1 - 5 Years Next Business Day Onsite after Remote Diagnosis Service
1 - 5 Years Dell ProSupport™

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. Toner yield based on testing in accordance with ISO/IEC 19752. 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. 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.

