



## DELL™ 2230d LASER PRINTER



### COMPACT BLACK AND WHITE LASER BUILT TO HANDLE YOUR BIGGER PRINT TASKS

With a printing speed of up to 35 ppm (letter) (actual print speed will vary with use), the Dell 2230d Laser Printer makes light work of monochrome printing tasks. Yet with its small footprint (15.98" x 14.55") 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 helps save paper and reduce 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.

Further details on our products at [DELL.COM/Printers](http://DELL.COM/Printers)

# DELL™ 2230d LASER PRINTER

## 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 as fast as 7 seconds and prints at up to 35 pages per minute (letter) (actual print 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 up to 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.

### 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

ORDER  
SUPPLIES  
ONLINE

levels in good time. Re-order toner with just a few clicks at the dedicated Dell Website [DELL.COM/Supplies](http://DELL.COM/Supplies) by telephone or through select resellers.

### SERVICE AND WARRANTY

Dell's standard 1-Year Limited Hardware Warranty<sup>5</sup> and 1-Year Advanced Exchange Service<sup>2</sup> is there to help keep your Dell 2230d up and running. Protect your investment even longer with an optional limited hardware warranty extension up to four additional years.

### ENVIRONMENTALLY CONSCIOUS DESIGN

Help 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® qualified. Energy Star-qualified imaging equipment is up to 25% more power efficient on average than conventional models according to the US Environmental Protection Agency (source [www.energystar.gov](http://www.energystar.gov)). The Dell 2230d has been designed to help reduce the use of hazardous materials. Dell printer users can return toner cartridges to Dell for recycling at no additional cost. Dell also helps customers dispose of old printers and other computer equipment in an environmentally conscious manner.



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 "ship with" cartridge: approximately 1000 pages<sup>1</sup>  
Dell 2230d black toner cartridge standard: approximately 3500 pages<sup>1</sup>

### Additional Consumables

Dell 2230d Imaging Drum Kit standard: approximately 30,000 pages

### Connectivity

Dell 3m USB cable (not included)  
Dell 3m Parallel cable (not included)

### Service and Support Upsell Options

Next Business Day Advanced Exchange Service<sup>2</sup> 1-year standard, extendable up to 4 additional years  
Next Business Day On-Site Service after Remote Diagnosis<sup>6</sup> options up to 5 years  
Dell ProSupport<sup>7</sup> service options up to 5 years  
Installation service option



# DELL™ 2230d LASER PRINTER

Product description	Personal laser printer offering value and high-performance printing in a small form factor.
<b>Print specifications</b>	
Print speed	Up to 35 ppm (letter) (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: 32MB standard, 160MB maximum using optional 128MB memory module
Memory expansion	One DIMM slot available for optional 128MB memory module
Maximum duty cycle	Up to 35,000 pages per month
<b>Paper handling</b>	
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
<b>Supported media types, sizes and paper weights</b>	
Media types supported	Plain, Recycled, Light, Heavy, Bond, Rough (no Duplex support), Colored, 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 (4.13" x 5.82") Maximum feed size is 216 x 356 mm (8.5" X 14") 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 (5.86" x 8.26") Maximum feed size is 216 x 356 mm (8.5" X 14") 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 (3.9" x 4.9") Maximum paper size (Universal size) is 216 x 356 mm (8.5" X 14") Maximum envelope size (Other size) is 216 x 356 mm (8.5" X 14") 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
<b>Connectivity</b>	
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 Server® 2008, 2003 Server, 2000 Server, Windows® XP 32bit/64 bit, 2000, Microsoft® Windows Vista® 32bit/64bit. Red Hat® 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.
<b>Consumables</b>	
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	The printer ships with a standard capacity toner cartridge (approx 1000 pages¹ at 5% coverage)
Refill toner cartridge capacity	Standard capacity (approx 3,500 pages¹ 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 select resellers
Toner recycling	Toner cartridges are recyclable using Dell's recycling program; details of which are included with each product
<b>Language and regulatory certifications</b>	
Printer firmware and printer driver software (NO Op Panel)	English, French, Italian, German, Spanish, Dutch, Japanese, and Simplified Chinese
User documentation	Soft copy 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 compliant, Energy Star qualified, Blue Angel Compliant.



# DELL™ 2230d LASER PRINTER

## 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

Standard Service

24 x 7 toll-free Technical Support  
1-year limited hardware warranty<sup>5</sup> and 1-year Next Business Day Advance Exchange Service<sup>2</sup>

## Printer options and accessories

Refill toner cartridges

Dell 2230d black toner cartridge - standard (approximately 3500 pages)<sup>1</sup>

Additional input paper capacity

One additional optional 250 sheet drawer can be fitted (maximum capacity 501 sheets)

Additional 250 sheet paper drawer dimensions 15.98" x 14.45" x 3.5" (W x D x H)

Additional memory

An optional 128MB DDR2 memory module is available for the Dell 2230d. Additional memory may help speed the processing of large/complex print files

## Physical specifications

Dimensions WxDxH

Printer: 15.98" x 14.55" x 10.2" (406 mm x 370 mm x 260 mm)

Shipping carton: 18.1" x 16.5" x 14.0" (460 mm x 420 mm x 355 mm)

Weight

Printer: 29.77 lbs. (13.53 kg)

Shipping carton: 34.5 lbs. (15.7 kg)

Operating environment

Operating: air temperature 60°F to 90°F Relative Humidity 8 - 80%, altitude 8200 ft.

Storage (unpackaged): air temperature 32°F to 104°F Relative Humidity 8 - 80%

Storage (packaged): air temperature -4°F to 104°F, Relative Humidity 8 - 95%, 0.25 atmospheric pressure equivalent to altitude 34,000 ft.

Acoustics

Printing (Simplex Mode/Main Tray):

Sound Pressure, Bystander position (LpAm)<sup>3</sup> 53 dBA

Sound Pressure, Operator position (LpAm)<sup>3</sup> dBA

Average Sound Power (LWAm), declared<sup>3</sup> 6.7 dBA

Standby Mode:

Sound Pressure, Bystander position (LpAm) Inaudible

Average Sound Power (LWAm), declared<sup>3</sup> dB(A)

Voltage

110 - 127V at 50/60 +/- 3Hz nominal (not available in all countries). Power cord included with shipped printer.

Power consumption

Printing 470W: Standby mode 13W: Sleep mode 13W: Off 0W. Energy Star<sup>®</sup> qualified

Power Save options

User-definable - 1-240 minutes (default 60 min)

## Service and Support Options

- Up to 5 Years Next Business Day Advanced Exchange Service<sup>2</sup>
- Up to 5 Years Next Business Day On-Site Service After Remote Diagnosis<sup>6</sup>
- Up to 5 Years Dell ProSupport<sup>7</sup>

## NOTES

1. Toner yield based on testing in accordance with ISO/IEC 19752. Yields vary with usage and environmental conditions.
2. Replacement part/unit dispatched, if needed, following completion of phone/online diagnosis. Fee charged for failure to return defective unit. Availability varies. Other conditions apply.
3. Tested in accordance with ISO 7779 and reported in accordance with ISO 9296, Acoustics.
4. 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 can 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.
5. For a copy of Dell's limited hardware warranty write Dell USA L.P., Attn.: Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit [www.dell.com/warranty](http://www.dell.com/warranty)
6. Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of unit and multiple or extended sessions. If issue is covered by Limited Hardware Warranty and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.
7. Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicedescriptions](http://www.dell.com/servicedescriptions).

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