



## The Dell 5230n and Dell 5230dn laser printers



### High performance, robust and expandable monochrome laser printers for large workgroups

Improve workgroup productivity with these robust and flexible printers that make high performance monochrome laser printing affordable for mid to large organizations. The hardworking Dell 5230n and 5230dn deliver printing at speeds of up to 45 pages per minute (ppm) letter (actual print speed will vary with use) and a robust maximum monthly duty cycle of up to 200,000 pages. And with a true print resolution of up to 1200 x 1200 dpi, the Dell 5230n and 5230dn produce razor sharp prints for both business graphics and text.

Provide convenient high performance printing to everyone in a workgroup with the networking capabilities of the Dell 5230n and Dell 5230dn. Increase productivity by choosing from a wide selection of input and output devices like additional paper trays and high-capacity feeders, envelope feeders and output expanders, wireless/Gigabit internal cards, or additional memory power to equip your expanding business for the most demanding high-capacity printing with the Dell 5230n and 5230dn.

High-speed performance with excellent total cost of printing – the Dell 5230n and Dell 5230dn monochrome laser printers.



# Dell 5230n and Dell 5230dn laser printers

## Product benefits

### Low total cost of printing

Get superb performance for the initial investment in the Dell 5230n and 5230dn; then, over time, you can realize exceptional value as well with both printers offering a lower cost per page than their closest competitors. Factor in Dell's reliable, outstanding printer support, and it's clear the Dell 5230n and 5230dn are smart investments.

### Flexible and expandable

Expand your printers as your organization needs evolve with a rich set of optional input and output paper handling options. Additional paper accessories include up to three 550-sheet input paper trays, a 2,000-sheet high-capacity feeder, an optional envelope feeder, a 1,850-sheet stacker, a 550-sheet expander, a five-bin mailbox that offers five output destinations and a finisher that can staple up to 50 sheets.

### High-speed performance

With the Dell 5230n and 5230dn you can get excellent laser printing technology which delivers at high performance print speeds of up to 45 pages per minute (ppm) letter (actual print speed will vary with use). And with a true print resolution of up to 1200 x 1200 dpi, and a maximum monthly duty cycle of up to 200,000 pages per month, the Dell 5230n and 5230dn are robust performers you can rely on to produce documents that always look sharp.

### Solid warranty and exceptional service

Should your Dell 5230n or 5230dn need service, Dell's standard 1-Year Limited Hardware Warranty<sup>1</sup> and 3-Year Next Business Day On-Site Service After Remote Diagnosis<sup>2</sup> can help get your printer up and running again promptly. Protect your investment even longer with an optional Limited Hardware Warranty<sup>1</sup> extension for a total of up to five years.

Enjoy fuser maintenance kit replacement for the life of your warranty. Unlike other brands, Dell includes a fuser maintenance kit in our Limited Hardware Warranty<sup>1</sup> to help save you from high replacement costs.

### Environmentally conscious design — reduce, recycle, renew

Dell's end-of-use programs include a commitment to recycling printers and toner cartridges. Help protect your bottom line while helping to protecting the planet with the Dell 5230n and 5230dn:

- Reduce paper usage by printing on both sides with the automatic duplex unit included as standard for the 5230dn (optional on the 5230n)
- According to the US Environmental Protection Agency, Energy Star<sup>®</sup> v1.1 compliant products, like the 5230dn, are up to 25% more power efficient on average than conventional models.<sup>4</sup>

## Order supplies online or through selected reseller partners



5230dn mono laser printer



Extra input and output paper accessories



550-sheet input tray



Bin mailbox

## Get the most out of your Dell printer with genuine Dell options and supplies

|                                       |  |
|---------------------------------------|--|
| <b>Toner cartridges</b>               | Dell 5230n and 5230dn black toner cartridge standard capacity: (approximately 7,000 pages <sup>5</sup> ); or high-capacity: (approximately 21,000 pages <sup>5</sup> )   |
| <b>Memory (RAM)</b>                   | 128 MB standard, 640 MB maximum; one DIMM slot available for optional 128 MB, 256 MB, or 512 MB memory module  |
| <b>Connectivity</b>                   | Standard: Ethernet 10/100 Base T; one rear USB 2.0 (high-speed); one front full speed USB-A host port; one available internal solution port (cables not included); Optional: 1284-B Card parallel interface, Serial RS232 card serial interface, internal Gigabit Ethernet print Server and 802.11b/g/n wireless print server. |
| <b>Optional application solutions</b> | Print encryption card, font and barcode cards, and internal IPDS card for IBM iSeries and AS/400   |
| <b>Optional paper</b>                 | Up to three 550-sheet input paper trays, 2,000 sheet high-capacity feeder, envelope feeder, 1,850-sheet stacker, 550-sheet expander, handling 5-bin mailbox that offers five output destinations and supports up to 100 sheets per bin, a finisher that can staple up to 50 sheets, a caster base and a 5-inch spacer.         |
| <b>Local disk</b>                     | Optional 80 GB hard disk   |
| <b>Service and support</b>            | Toll-free support and 3-Year Next Business Day On-site Service after Remote Diagnosis <sup>2</sup> ; 1-year Limited Hardware Warranty <sup>1</sup>   |



# Dell 5230n and Dell 5230dn laser printers

|   |   |
|---|---|
| <b>Product description</b>                            | Networked monochrome laser printers offering high performance, robust reliability and a wide variety of expandability options in a single function printer.   |
| <b>Printer specifications</b>                         |   |
| Print speed   | Up to 45 ppm letter (actual print speed will vary with use)   |
| First page out time                                   |   |
| From ready state                                      | As fast as 7.5 seconds  |
| Print resolution                                      | 600 x 600 dpi (printer default), 1200 dpi Image Quality (driver default), maximum 1200 x 1200 dpi, 2400 dpi Image Quality   |
| User interface  | 4-line backlit LCD, one two-toned LED (green, red) and a 20-button keypad   |
| Data streams  | PCL® 5e Emulation, PCL 6 Emulation, Personal Printer Data Stream (PPDS), XPS and PostScript® Level 3 Emulation  |
| Processor   | 500 MHz   |
| Memory (RAM)  | 128 MB standard, 640 MB maximum using optional 512 MB memory module   |
| Memory expansion                                      | One DIMM slot available for optional 128 MB, 256 MB, or 512 MB memory module  |
| Maximum duty cycle                                    | Up to 200,000 pages per month   |
| Recommended duty cycle                                | 3,000 - 15,000 pages per month  |
| <b>Paper handling</b>                                 |   |
| Standard input sources                                | 250-sheet covered tray and 100-sheet multipurpose tray  |
| Additional input capacity                             | Up to 3 x optional 550-sheet tray + 2,000-sheet high-capacity feeder  |
| Maximum input capacity                                | 4,000 sheets  |
| Duplex unit   | Automatic duplex unit (print both sides) included as standard for 5230dn model. Optional for 5230n model  |
| Standard output destination                           | 350-sheet bin<br>Maximum output capacity: 2,750 sheets (350-sheet tray + 1 optional 550-sheet output expander + 1,850 sheet output stacker)   |
| Envelope feeder                                       | Up to 85 envelopes  |
| <b>Supported media types, sizes and paper weights</b> |   |
| Media types supported                                 | Card stock, envelopes (smooth), paper labels, plain paper, transparencies, bond, letterhead, preprinted, colored paper, custom, light/heavy, rough/cotton, recycled   |
| Media size and weight                                 | <i>Media and size:</i> A4, A5, A6, JIS B5, letter, legal, executive, folio, statement, universal, B5/C5/DL envelope, 7 3/4 envelope (Monarch), 9 & 10 envelope, Oficio (Mexico).<br><i>Paper:</i> 16 - 36 lb; <i>Cardstock:</i> 36 - 43 lb; <i>Envelopes:</i> 16 - 28 lb  |
| Printable area  | Within 0.167 inches of all edges of the media   |
| <b>Connectivity</b>                                   |   |
| Standard interfaces                                   | Standard Ethernet 10/100 Base T, one rear standard USB-B (high-speed) device port, one front full speed USB-A host port, one available internal solution port. (cables not included)  |
| <b>Print languages and fonts</b>                      | 3 of 9 scalable PCL 5e fonts in Narrow, Regular and Wide, 158 scalable PostScript fonts, 2 PCL bitmap fonts, 39 scalable PPDS fonts, 5 PPDS bitmap fonts, 84 scalable PCL fonts, OCR-A, OCR-B scalable PCL 5e fonts   |
| <b>Operating Systems (OS) support</b>                 | Microsoft® Windows Server® 2008, Microsoft® Windows 2000 Server running Terminal Services with Citrix MetaFrame Presentation Server 3.0, 4.0 Microsoft® Windows Server 2003 running Terminal Services with Citrix MetaFrame Presentation Server 3.0, 4.0, 4.5. Microsoft® Windows Server 2003 x64 running Terminal Services with Citrix MetaFrame Presentation Server 4.0 x64, 4.5 x64, Microsoft® Windows XP, 2000, Vista®, Windows® 7, Linux – Ubuntu 7.10, 8.04 LTS, Debian GNU/Linux 4.0, RH Linux WS 3.0, 4.0, 5.0, SuSE Linux Enterprise Server 8.0, 9.0, 10.0, 11.0, 11.1., SuSE Linux Enterprise Desktop 11, OpenSuSE 11.0, Novell NetWare 5.x, 6.x., Macintosh version (OS 9.x and OS X 10.2-10.6), Unix (Sun Solaris SPARC 7, 8, 9, 10.0) HP UX 11.11, 11.23, 11.31, SAP PCL Device type support. |
| <b>Network protocol</b>                               | TCP/IP IPv4, IPX/SPX, AppleTalk™, TCP/IP IPv6, TCP, UDP, IPSEC w/ Ipv4, IPSEC w/ Ipv6, LPR/LPD, Direct IP (Port 9100), Socket (Raw TCP/IP), HTTP, NDS Queue-based Printing, NDPS/NEPS (Novell Distributed Print Services, Novell Netware Enterprise Print Services), Enhanced IP (Port 9400), FTP, TFTP, IPP 1.1 (Internet Printing Protocol), ThinPrint .print integration, HTTP, HTTPS (SSL*/TLS), SNMPv3, WINS, IGMP, BOOTP, RARP, APIPA (AutoIP), DHCP, ICMP, DNS, SNMPv2c, Bonjour, DDNS, mDNS, ARP, NTP, Telnet, Finger<br>*This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit.   |

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## Consumables

|   |   |
|---|---|
| Toner management                                | Dell Printer Configurator Web Tool (EWS) provides features include toner level reporting, low toner alerts          |
| Ship-with toner cartridge capacity <sup>5</sup> | The printer ships with a standard capacity black toner cartridge (up to 7,000 pages coverage)                       |
| Toner cartridge capacity <sup>5</sup>           | Standard capacity toner cartridge prints up to 7,000 pages; High-capacity toner cartridge prints up to 21,000 pages |
| Toner recycling                                 | Toner cartridges are recyclable using Dell's recycling program, details of which are included with each product     |
| Imaging drums                                   | Imaging drum is not separated but comes in one assembly together with the Toner Cartridge                           |
| Fuser unit                                      | Fuser unit available after 300,000 (CRU)  |

## Language and regulatory certifications

|                                      |  |
|--------------------------------------|--|
| Language support                     | Softcopy user guide on driver CD<br>Arabic, Simplified Chinese, Danish, German, English, Spanish, Finnish, French, Hebrew, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Brazilian Portuguese, Romanian, Russian, Swedish, Turkish, Traditional Chinese |
| Printer firmware                     | English, French, German, Italian, Spanish, Danish, Norwegian, Dutch, Swedish, Brazilian Portuguese, Finnish, Russian, Polish, Hungarian, Turkish, Czech, Japanese, Korean, Simplified Chinese, Traditional Chinese   |
| Safety certifications                | UL 60950-1, First Edition (2003), EN 6095001 : 2001, IEC 60950-1, First Edition (2001); other safety approvals required by individual countries  |
| EMC certifications                   | Class B; EN 55022:2006 / CISPR 22:2005; EN 55024:1998 + A1:2001 + A2:2003; EN 61000-3-2:2006 and IEC 61000-3-2:2005; EN 61000-3-3:1995 + A1:2001 + A2:2005   |
| Environmental compliance             | Section 508 VPAT; RoHS-compliant, Blue Angel, Energy Star <sup>®</sup> v1.1 (for 5230dn SKU only)  |
| Other certifications and compliances | WHQL, SAP, USB IF, Novell YES, Citrix Ready  |

## Printer management

|  |   |
|--|---|
| Software included                      | IP Setup Utility (IPSU), Status Monitor Center, Printer Alert Utility, Driver Profiler, Wireless Setup Utility (used with Optional Wireless Card) |
| Compatible printer management software | Dell Printer Configuration Web Tool (EWS), Dell OpenManage Printer Management Tools   |

## Warranty and service options

|                           |   |
|---------------------------|---|
| Standard service          | Toll-free technical support for the life of the product and 3-Year Next Business Day On-site Service after Remote Diagnosis <sup>2</sup>          |
| Limited hardware warranty | 1-year Limited Hardware Warranty <sup>1</sup>   |
| Service options           | Up to a total of 5 Years On-site Service after Remote Diagnosis <sup>2</sup> ; Up to a total of 5 Years Dell ProSupport <sup>™</sup> <sup>3</sup> |

## Printer options and accessories

|                                 |  |
|---------------------------------|--|
| Optional memory                 | 256 MB Flash memory  |
| Duplexer (for 2-sided printing) | 250-sheet duplex option for 5230n model  |
| Optional HDD                    | 80 GB hard disk  |
| Optional I/O Ports              | N8120 gigabit Ethernet print server; Parallel 1284-B interface card; RS-232C serial interface card; N8150 wireless print server                    |
| Optional application solutions  | Print encryption card (April 2010 FIPs ready); Forms and barcode card (available after April 2010); IPDS/SCS/Tne card (available after April 2010) |

## Physical specifications

|  |  |
|--|--|
| Dimensions (without duplex)<br>W x D x H | <i>Printer:</i> 13.7 in x 16.7 in x 19.4 in, <i>Shipping carton:</i> 21.6 in x 24.6 in x 21.5 in   |
| Weight (without duplex)                  | <i>Printer:</i> 40.6 lbs, <i>Shipping carton:</i> 56.9 lbs   |
| Operating environment                    | <i>Operating:</i> air temperature 16°C to 32°C (60°F to 90°F), relative humidity 8-80%, altitude 10,000 ft or less<br><i>Unpackaged:</i> air temperature 0°C to 40°C (32°F to 104°F), relative humidity 5-80%<br><i>Packaged:</i> air temperature -20°C to 40°C (-4°F to 104°F), relative humidity 8-95%, 0.25 atmospheric pressure equivalent to altitude 34,000 ft or less |
| Acoustics <sup>6</sup>                   | <i>Printing Simplex:</i> 53 dBA; <i>Printing Duplex:</i> 56 dBA; <i>Idle Standby Mode:</i> 26 dBA; <i>Quiet Mode:</i> 47 dBA;<br><i>Sleep:</i> not audible   |
| Voltage                                  | 110 - 127 volts (V) at 50/60 ± 3 hertz (Hz) nominal. 220 - 240 V at 50/60 ± 3 Hz (not available in all countries).<br>Power cord included with shipped printer.  |
| Power consumption                        | Printing 640 W (simplex), 540 W (duplex); Standby mode (Ready mode) 80 W; Power Saver 12 W; Off 0 W.<br>Energy Star <sup>®</sup> v1.1-qualified (5230dn SKU only)  |
| Power Save options                       | User-definable — 1-240 minutes (default 30 minutes)  |

## Service options

~~1 - 5 Years 4-hour On-site Support<sup>2</sup>; 1 - 5 Years Next Business Day On-site after Remote Diagnosis<sup>2</sup>~~  
1 - 5 Years Dell ProSupport<sup>3</sup>

<sup>1</sup> For a copy of Limited Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or visit [www.dell.com/warranty](http://www.dell.com/warranty).

<sup>2</sup> 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.

<sup>3</sup> Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions)

<sup>4</sup> For details on energy efficiency of Energy Star qualified products, refer to: <http://www.energystar.gov>

<sup>5</sup> Tested in accordance with ISO/IEC 19752 testing methodology. Yields vary with usage and environmental conditions.

<sup>6</sup> Sound Pressure: Typical measurements based on ISO 7779