Dell Workgroup Laser Printer 5210n / 5310n
Product description

NEVER RUN OUT OF TONER AGAIN!

The Dell Toner Management System™ monitors toner levels, notifies you before you run out of toner and gives you a direct link to Dell online for easy ordering.

SERVICE AND SUPPORT

- 12 months' Next Business Day Onsite Repair and Dell Technical Support included[5]

- You can use the Dell Online Support site for the most up-to-date drivers and technical information about your printer

RECYCLING MADE SIMPLE

Recycling printers with Dell is easy, safe and no charge to the customer. Visit www.dell.com/recycling for details.

- Each Dell printer includes instructions for returning an old printer for recycling

- Dell pays shipping charges for printer recycling

- Cartridge recycling now available in most Western European countries

Features	Description	□= 5210n □= 5310n
Language and regulatory certifications		
Printer firmware including LCD operator panel	English, French, German, Italian, Spanish, Danish, Norwegian, Dutch, Swedish, Finnish, Russian, Polish, Turkish, Czech, Simplified Chinese[4], Japanese[4]	
Printer software	English, French, German, Italian, Spanish, Simplified Chinese	
User documentation	*Basic set-up and safety instructions:* English, French, German, Italian, Spanish, Dutch, Czech, Danish, Finnish, Greek, Norwegian, Polish, Iberian Portuguese, Swedish, Arabic, Hebrew, Turkish and Russian (varies by destination country) *Hardcopy user manual:* English, French, German, Italian, Spanish (varies by destination country) *Softcopy Quick Reference Guide on driver CD:* English, French, German, Italian, Spanish, Dutch, Czech, Danish, Finnish, Norwegian, Polish, Iberian Portuguese, Swedish, Arabic, Hebrew and Russian	
Safety certifications	IEC/EN60950-1 (International), IEC60825-1 (Laser), CE Mark (EU), Semko (Nordic), GS Mark (Germany), GOST and Hygienic (Russia), SASO (Saudi Arabia), SABS (South Africa), SII (Israel), CSA (Canada), UL60950-1 (US), FDA/DHHS (US), NOM (Mexico)	
EMC certifications	CE Mark (EU) [CISPR 22/EN55022 Class B, EN61000-3-2, EN 61000-3-3, EN55024], SABS (South Africa), ICES-003 (Canada), FCC CFR Title 47 Part 15 Class B (US)	
Other certifications and compliances	European IT maximum lead content regulations - Directive 2002/95/EC (Per the EU Directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment, this product or configuration contains less than 0.1% lead by weight), Energy Star*-compliant[9], SAP, Novell Yes Certification, Section 508, Citrix Metaframe XP Presentation Server, Citrix Metaframe Presentation Server 3.0, Citrix Metaframe XP 1.0 (Windows Server 2000/2003 running Terminal Services/Server)	
Printer management		
Security printing	Security and Confidential 'walk-up' printing option available via 4 digit Personal Identification Number (PIN) entry through operator panel	
Compatible printer management software	Dell OpenManage™ Printer Manager[5], 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).	
Service options		
Standard Service	24 x 7 online Technical Support: 12 months Next Business Day onsite service[6]	
Service Options	Two, three, four and five-year extended service offerings available (varies by country and region) Upgrades available to one, two, three, four and five-year Business Support Optional installation service available	
Physical specifications		
Dimensions (mm)	*Printer:* 441 mm W x 507 mm D x 384 mm H *Shipping carton:* 551 mm W x 635 mm D x 525 mm H	
Weight	19.5 kg including standard toner cartridge; shipping weight 24.5 kg (slight variations depending upon versions of manuals shipped with printer)	
Operating environment	*Operating:* air temperature 16°C to 32°C, Relative Humidity 8-80% non-condensing, altitude 3000 m or less. *Storage (unpackaged):* air temperature 0°C to 40°C, Relative Humidity 5-80%, altitude 3000 m or less *Storage (packaged):* air temperature -40°C to +43°C, Relative Humidity 5-95%, altitude 10 000 m or less, barometric pressure > 250 mbar	
Acoustics	*Printing (Simplex Mode):* Sound Pressure, Operator position (LpAm)[7] 57.7 dBA 56.2 dBA Sound Pressure, Bystander position (LpAm)[7] 53.0 dBA 51.7 dBA Average Sound Pressure at 1 m, declared[8] 54 dBA 55 dBA Average Sound Power (LWAm), declared[8] 6.8 Bels (68 dB) 6.9 Bels (69 dB) *Standby Mode:* Sound Pressure, Operator position (LpAm)[7] 31.2 dBA 34.9 dBA Sound Pressure, Bystander position (LpAm)[7] 27.0 dBA 29.5 dBA Average Sound Pressure at 1 m, declared[8] 30 dBA 30 dBA Average Sound Power (LWAm), declared[8] 4.4 Bels (44 dB) 4.4 Bels (44 dB)	
Voltage	220-240 v, 50-60 Hz	
Power consumption	Continuous printing 600 W: Standby mode 90 W: Powersaver mode 20 W: Off 0 W. Energy Star*-compliant Continuous printing 760 W	
Maximum current while printing	5.3 A at 230 v AC	
Power Save options	User-definable - 5-240 minutes (default 30 min)	

NOTES

[1] *Print speed quoted refers to A4 Simplex (single-sided) page using default print mode (1200 IQ). Actual print speed may vary depending upon system configuration, software application and document complexity.*

[2] *Combinations that include three or more option trays may require a printer stand for improved stability and safety.*

[3] *Tested in accordance with ISO/IEC 19752 testing methodology. Yields vary with usage and environmental conditions.*

[4] *Simplified Chinese and Japanese are not supported on the device's internal pages*

[5] *Dell OpenManage™ Printer Manager software is available in English only*

[6] *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.*

[7] *Typical measurements based on ISO 7779*

[8] *Tested in accordance with ISO 7779 and reported in accordance with ISO 9296, Acoustics - Declared noise emission values of computer and business equipment*

[9] *Dell 5210n/5310n meets Energy Star 2007 requirements for energy savings: full Energy Star certification applies only when product configuration includes a duplex unit*

Subject to availability specifications are correct at date of publication and may change without notice. Terms and Conditions of Sales, Service and Finance apply and are available on request or at www.dell.co.uk

DELL™ MAKES IT EASY TO BUY, USE AND OWN PRINTERS

Easy to buy

- Dell Direct Advantage: purchase online or through our professional sales team
- Great price-performance

Easy to use

- Pre-loaded drivers for quick plug-and-play setup (when ordered with a Dell system)
- Dell Toner Management System™

Easy to own

- Convenient toner ordering and delivery
- Industry-leading Dell service and support
- Single point of accountability

Dell Workgroup Laser Printer 5210n / 5310n

High speed, high quality, low total cost monochrome laser printers for medium and large workgroups.

The **Dell Laser 5210n** and **Dell Laser 5310n** mono printers represent Dell's latest generation of fast networked mono laser printers, and provide workgroup versatility and superior performance for a wide variety of documents and users.

These fast, durable, stylish and highly affordable monochrome laser printers are built for today's demanding enterprise network or office environments. Standard features include high-speed, high-quality printing, a high duty cycle, a wide range of supported Operating Systems and user documentation in all major Western European languages: optional upgrade facilities support expanded paper input and output options, wireless connectivity and duplex functionality.

The Dell Laser Printer 5210n/5310n delivers:

Excellent performance
- Fast monochrome printing - up to 47 A4 ppm (5310n), 38 A4 ppm (5210n) *(Actual print speeds may vary depending upon systems configuration, software, application and document complexity)*
- Crisp text and enhanced graphics - default 1200 Image Quality print resolution
- Expandable memory to allow fast printing of high-quality complex documents — up to 576 MB (5210n), up to 640 MB (5310n)
- Robust - up to 200,000 (5210n) or 250,000 (5310n) pages per month print volume (Duty Cycle)
- Low cost per page and low total cost of printing
- High-capacity toner cartridges available for optimum cost-per-page *(Toner yields vary with usage and environmental conditions)*

Easy to use
- Step-by-step instructions for easy setup to your network
- Graphical user messages
- Standard 500 sheet drawer standard; up to four additional optional 500 sheet drawers can be fitted to give maximum input capacity 2600 A4 pages
- Dell Toner Management System™ tells you when the printer is low on toner
- Secure printing with PIN access

Easy to Own and Manage
- Connect easily through Ethernet networking and USB 2.0 port as standard
- Optional wireless connectivity (Western Europe only)
- Network-accessible printer status and E-mail notification of printer alerts and status
- Wide range of Client and Network Operating Systems supported

Quality Dell service and support
- 12 months' Next Business Day Onsite Repair and Dell Technical Support included
- Dell's networked laser printers include fuser kit replacement as scheduled maintenance with your limited warranty. It's an exclusive Dell advantage that helps ensure your printer's ongoing performance and output quality whilst reducing your total cost of printing.
- Two, three, four and five-year extended service offerings available (varies by country and region)

5210n	5310n
Print speed		
Up to 38 A4 pages per minute (ppm)	Up to 47 A4 pages per minute
Duplex option		
Duplex print speed up to 32 ppm A4	Duplex print speed up to 36 ppm A4
Processor		
400 MHz	514 MHz
Memory (RAM)		
64 MB standard, 576 MB maximum	128 MB standard, 640 MB maximum
Duty cycle		
Up to 200 000 pages per month	Up to 250 000 pages per month
Toner cartridge capacity		
Standard and high-capacity recyclable toner cartridges available	Standard, high-capacity and 'extra high-capacity' recyclable toner cartridges available for lowest cost per printed page

Customise your printer to meet your unique needs with a range of productivity options

	Description	Accessory un-installed	Installed
Toner options	• Standard capacity toner cartridge (approximate yield 10 000 pages, based upon 5% coverage[3] - yields vary with usage and environmental conditions) included as standard with each new printer • High-capacity toner cartridge (approximate yield 20 000 pages, based upon 5% coverage[3] - yields vary with usage and environmental conditions) available for both 5210n and 5310n printers • Extra high-capacity toner cartridge (approximate yield 30 000 pages, based upon 5% coverage[3] - yields vary with usage and environmental conditions) available for 5310n printer for lowest cost per printed page *Standard and 'Use and Return' Cartridges available for both 5210n and 5310n*		
500 sheet duplexing unit	Save paper, add a duplex unit for double sided printing		
Paper drawer	• 500 sheet A4 paper drawer as standard • Paper drawer can be adjusted for different paper sizes • Optional additional 500 sheet paper drawers are also available • Up to four 500 sheet A4 paper drawers can be stacked per printer - maximum input capacity 2600 pages		
Output expander	Output expanders hold an additional 650 pages each • Add up to three Output Expanders, each with a capacity up to 650 pages, stacked vertically • Maximum output capacity 2200 pages • Documents can be sent to any of the installed output expanders, allowing for easy sorting of large print jobs		
Envelope feeder	Envelope feeder option holds up to 85 envelopes		
Internal wireless adapter	• Now you can locate and access your printer wirelessly almost anywhere with the optional 5210n / 5310n internal wireless adapter • Wireless adapter supports 802.11 b/g *NOTE: PC must have compatible wireless capability*		

Features	Description □ = 5210n □ = 5310n
Product description	High speed, high quality, low total cost monochrome laser printers for medium and large workgroups
Printer Specifications	
Print Speed[1]	(5210n) Up to 38 A4 pages per minute (5310n) Up to 47 A4 pages per minute
First page out time	
- From 'Ready' state	7.1 seconds (Simplex A4, 600 dpi) 8.5 seconds or less (Simplex A4, 600 dpi)
- From 'Power Saver' mode	24 seconds (Simplex A4, 600 dpi) 28 seconds (Simplex A4, 600 dpi)
- From 'Power On'	37 seconds to 'Ready' state on LCD panel
Print Resolution	600 x 600 dpi, 1200 x 1200 dpi, 1200 Image Quality (Default driver setting), 2400 Image Quality
User interface	4 line x 20 character backlit LCD (text and graphics), 3 button / 5 way cursor keypad
Data streams	PCL® 6 Emulation, PostScript® Level 3 Emulation, 32 bit and 64 bit
Processor	400 MHz 514 MHz
Memory (RAM)	64 MB standard, 576 MB maximum 128 MB standard, 640 MB maximum
Memory expansion	One 100 pin DDR DIMM memory expansion slot available for optional memory extension
Duty Cycle	Up to 200 000 pages per month Up to 250 000 pages per month
Typical Monthly Print Volume	2000 to 7000 pages per month
Paper Handling	
Standard input sources	500 sheets covered drawer (75 gsm stock) and 100 sheet multipurpose tray
Addition input drawers	Up to four optional 500 sheet drawers can be fitted
Maximum input capacity	2600 sheets (500 drawer standard + 100 multipurpose tray standard + 4 x 500 sheet optional drawers)[2]
Addition supported input options	Optional envelope feeder (capacity 85 envelopes)
Duplex option	Optional 500 sheet automatic duplex unit available. Duplex print speed (1200 IQ default) up to 32 ppm A4[1] As 5210n, Duplex print speed (1200 IQ default) up to 36 ppm A4[1]. *NOTE: Duplex unit and/or envelope feeder can be installed in addition to maximum 4 x 500 sheet optional drawers*
Standard output destinations	250 sheet bin
Additional output destinations	Up to three optional 650 sheet output bins can be fitted (stacked vertically)
Maximum output capacity	2200 sheets (250 output bin standard + 3 x 650 sheet optional output bins)
Supported media types, sizes and paper weights	
- Media types supported	Paper (plain, preprinted, letterhead, prepunched, bond, recycled, colour, rough), transparencies, labels, envelopes, cardstock
- 500 sheet drawers	Sizes supported - A4, A5, JIS B5, US Letter, US Legal. Media types and weights supported - paper 60 to 175 gsm, cardstock up to 175 gsm (grain long) or 215 gsm (grain short), transparencies 135-145 gsm
- Multipurpose tray	Sizes supported - A4, A5, JIS B5, US Letter, US Legal: Envelopes - DL, C5, B5: Env7 ¾, 9 Env, 10 Env, Custom Env. Media types and weights supported - paper 60 to 135 gsm, cardstock (grain long) 120-135 gsm, cardstock (grain short) 160-175 gsm, transparencies 135 to 145 gsm: envelopes 60 to 105 gsm. *NOTE: tray capacity for transparencies is 90% of nominal capacity only*
- Standard and optional output bins	Sizes supported - A4, A5, JIS B5, US Letter, US Legal. Media types and weights supported - paper 60 to 175 gsm, cardstock up to 175 gsm (grain long) or 215 gsm (grain short), transparencies 135-145 gsm, envelopes 60-105 gsm.
- Envelope feeder *(optional)*	DL, C5, B5, Env7 ¾, 9 Env, 10 Env, Custom Env - media weight 60 to 105 gsm
- Duplexer *(optional)*	A4, A5, JIS B5, US Letter, US Legal. Media types and weights as per 500 sheet drawer.
Page layout options	Portrait or Landscape orientation, multiple copies, duplex printing, multipage printing (N-up), booklet printing, watermarks, overlays, account tracking
Printable area	Within 4 mm of all edges of the media
Connectivity	
Interfaces	Hi-Speed USB 2.0 port, IEEE 1284-B compliant parallel port, Ethernet port (cables not included)
Print languages and fonts	HP PCL® 6 emulation: 89 scalable fonts, 2 bitmapped fonts. Adobe® PostScript® 3™ emulation: 158 scalable fonts
Client Operating Systems (OS)	Microsoft Windows® Vista™, Vista x64, Windows® Me, NT 4.0 (parallel and network connections only), 2000, XP, XP 64 bit, Server 2003, Mac OS 9.x/10.2, UNIX®, Linux
Network Operating Systems (OS)	Microsoft Windows® Vista™, Vista x64, Windows® Me, NT 4.0 SP6a (parallel and network connections only), 2000 SP2-4, XP SP1-2, XP 64 bit, Server 2003, Server 2003 SP1, Server 2003 x64, Novell Netware 5.x/6.x, Mac OS 9 v0.2, Mac OS 10.2/10.3/10.4, Red Hat Linux WS 3.0/4.0, SuSE Enterprise Linux Server 8.0/9.0, SuSE Linux Professional 9.0/9.1/9.2, Debian GNU/Linux 3.0, Linspire 4.5, Red Flag Linux Desktop 4.0 (Simplified Chinese), Citrix Metaframe, Windows Terminal Services, Red Flag Linux Desktop 4.0 (Simplified Chinese), Citrix Metaframe, Windows Terminal Services *Latest printer drivers available from http://support.euro.dell.com*
Network protocols	TCP/IP, LPD, FTP, IPP, IPX/SPX, DLC/LLC, AppleTalk, Auto-IP, NCP, Telnet, SLP, IGMP, BOOTP/DHCP, WINS, SNMP (v1, 2C, 3), HTTP
Wireless options	IEEE 802.11 b/g via Dell 5210 / 5310 Wireless Option, available via internal card *(Available in Western European markets only)*
Wireless security protocols	Wi-Fi Enterprise Certified, WPA - PSK, WEP (32 bit and 128 bit), Authentication Methods: EAP/MD5, EAP/MSCHAPv2, EAP/TLS, EAP/TTLS, LEAP, PEAP
Wireless setup	USB Wireless Setup Utility CD, Ad-Hoc mode using Embedded Web Server (EWS)
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, Web access via Dell Printer Web Tool, and the Dell Consumables Management System™
Toner cartridge capacity[3]	Both 'Use & Return' (recyclable) and 'Standard cartridge' versions available, in 'standard capacity' (approx. 10 000 pages at 5% coverage or 'high capacity' variants (approx. 20 000 pages at 5% coverage). The printer ships with a standard capacity recyclable toner cartridge. The 5310n supports the additional option of 'extra high capacity' toner cartridge (approximately 30 000 pages at 5% coverage, ISO 19752 yield measurement) for lowest cost per printed page and maximum economy in print costs
Additional toner	Available through Dell online or by telephone
Toner recycling	Toner cartridges are recyclable using Dell's recycling programme, details of which are included with each product
Additional consumables	Fuser maintenance: Dell Laser Printer Next Business Day service includes fuser maintenance parts and part replacement for the duration of the service contract