

Specifications

Printing process

Print method: Electrophotographic Laser
Print speed: 35 ppm (colour / monochrome) (A4), 17.7 ppm (colour / monochrome) (A3)
First-page output time: 8.5 seconds (colour), 5.9 seconds (monochrome)
Resolution: PhotoART 19200 (600 x 600 x 5 bit contone)
Maximum monthly duty cycle: 150,000 prints

Hardware and software capabilities

Processor: 1 GHz PowerPC G4 MC7447A
Memory: 1024 MB DDR SDRAM
Hard disk drive (optional): 60 GB
Security options: Encryption Kit* (Encode data on Hard Disk Drive for security), ISO 15408 available on request

*Requires optional Hard Drive
Operating system compatibility:
 Windows: Vista (32/64-bit), Server 2003 (32/64-bit), XP (32/64-bit), 2000, NT4 (SP6+)
 Macintosh: OS X (v10.2+), OS X (Intel) (v10.4+)
 Linux: Red Hat Enterprise

Printer emulations: PostScript 3, PCL 6, XPS Direct Print*, PDF 1.6 Direct Print*, JPEG/TIFF Direct Print*

*Requires optional Hard Drive
Printer management: PageScope Net Care, PageScope Web Connection, PageScope Network Setup, PageScope NDPS Gateway, PageScope Direct Print, PageScope Data Administrator, PageScope Job Spooler

Colour support: Enhanced Automatic Image Density Control (eAIDC), ICC device profiles, Automatic ICC-based colour matching, Dynamic Contone Screening, PANTONE Colour Tables, SWOP, Commercial, SNAP, EuroColor, DIC, TOYO press emulations

Typefaces:

136 resident PostScript fonts, 81 PCL fonts

Paper handling

Standard paper input: 150-sheet multipurpose tray, 2 x 500-sheet cassettes
Optional paper input: 500-sheet paper feed cabinet [PC-106] (500-sheet cassette, storage area), 1,000-sheet paper feed cabinet [PC-205] (2 x 500-sheet cassettes), Large-capacity paper feed cabinet [PC-406] (2,500-sheet cassette), Printer desk [DK-505], Banner tray [MK-713]
Standard paper output: 250-sheet face-down output tray
Optional paper output: Staple finisher* [FS-519], Output tray** [OT-602], Punch kit** [PK-515], Saddle stitcher** [SD-505], 4-bin mailbin kit** [MT-502], Floor finisher* [FS-609], Punch kit*** [PK-501]

*Requires a printer desk or paper feed cabinet option. **Requires staple finisher. ***Requires floor finisher

Standard automatic duplexer: For two-sided printing (plain paper only)

Paper sizes supported:
 150-sheet multipurpose tray: Letter, Legal, Ledger, 4" x 6", 12" x 18", Executive, Folio, Govt. Letter, Statement, A3, A3+*, A4, A5, A6, B4, B5, B6, Custom sizes (W) 90-311.1 mm to (L) 139.7-1200 mm, Envelopes (Monarch, Corn 10, DL, B5 (ISO), C5)
 500-sheet cassettes / paper feed cabinets: Letter, Legal, Ledger, 12" x 18", Folio, Statement, A3, A3+*, A4, B4, B5, B6

Duplexer: Letter, Legal, Ledger, 12" x 18", Executive, Folio, Govt. Letter, A3, A3+*, A4, A5, B4, B5, Custom sizes (W) 139.7-311.1 mm to (L) 148-457.2 mm

*Supported through lower standard cassette only. **Not available on Macintosh.

***Supported through lower standard cassette only and not available on Macintosh.
Printable area: 4.2 mm from all edges, 1191 mm maximum print length, 288 mm maximum print width (when in banner printing mode)

Paper weights:
 Plain paper: 16-24 lb. Bond (60-90 gsm)
 Thick Stock: 33-94 lb. cover (90-256 gsm), 94-100 lb. cover (256-271 gsm) - letter, A4, ledger, A3 via multipurpose tray only
 Duplexer: 18-24 lb. Bond (64-90 gsm)

Print media: Plain Paper, Recycled Paper, Letterhead, Thick Stock, Glossy Stock, Photo Stock, Transparencies, Laser Quality Labels, Envelopes, Postcards

Physical

Type: Laser printer with Emperon Print System
Dimensions (WxDxH): 643 x 708 x 637 mm
Weight: 89 kg (w/ consumables), 117 kg (as shipped)

Electrical

Power requirements: 120 VAC (12A, 60 Hz), 220-240 VAC (8A, 50/60 Hz)
Power consumption: 900W Avg. & 1,500W Max. (Operating), 200W Avg. (Standby)
Energy star compliant: 17Wh or less
 *The addition of some options, in some combinations, may cause the product to become non-compliant.

Interface support

Standard interfaces: Gigabit Ethernet (10/100/1000BaseTX), USB 2.0
Ethernet protocols: TCP/IP (IPv4/IPv6, IPsec, SSL), AppleTalk / EtherTalk, IPX/SPX (Netware 4/5/6), ARP, Bonjour, BOOTP, DHCP, AutoIP, DNS, DynamicDNS, FTP, HTTP, ICMP, IPP1.1, LDAP, LPR/LPD, NetBEUI, SMB, NTP, SMTP, RAW Socket, SNMP 1.2, UDP, WSD

Environmental

Temperature requirements: 10° to 30° C (Operating), 0° to 35° C (Non-Operating)
Humidity: 15% to 85% RH (Operating), 15% to 85% RH (Non Operating)
Noise levels: ≤67 dB(A) (Operating), ≤43 dB(A) (Standby)
Regulatory/safety conformity: UL, cUL, CDRH, CE-Marking, FCC-A, TUVRh-AR-S

Options

magicolor 8650DN	A02E04A
Paper Cabinet PC-106 (500 sheets x 1)	A0930YA
Paper Cabinet PC-205 (500 sheets x 2)	A0930YC
Paper Cabinet PC-406 (2,500 sheets x 1)	A0930YD
Desk DK-504	A0930YE
HDD kit	A0DDWY0
Banner Paper Setting Guide MK-713	A0D90YA
CB-Finisher FS-519	A01G0YA
Staple for mc5500/mc8600 Finisher	14YK
Biometrics Authentication Device (must order EK-602, WT-502)	A09MWY0
Usb Host Board	A0DPWW0
Saddle Finisher	A0D60Y0
Mount kit for multiple accessories	A0DCWY0
Mail Bin Kit for FS-519	4510761
Additional Output Tray for FS-519	4625246
Punch Kit for FS-603, FS-609 (2-holes)	4614451
Punch Kit for FS-603, FS-609 (3-holes)	4614452
Punch Kit for FS-603, FS-609 (4-holes)	4614453
Punch Kit for FS-519 (2-hole)	A0DHWY0
Punch Kit for FS-519 (2/3-hole)	A0DHWY1
Punch Kit for FS-519 (4-hole)	A0DHWY2
Security Kit	4599441
Saddle Stitcher for FS-519	4511761
Staples for (SD-503, SD-505)	4599161
Staples for (FS-507, FS-508, FS-510, FS-511, FS-603, FS-609)	4623361

Consumables*:

Black Toner Cartridge	26,000 pages	A0D7181
Yellow Toner Cartridge	20,000 pages	A0D7281
Magenta Toner Cartridge	20,000 pages	A0D7381
Cyan Toner Cartridge	20,000 pages	A0D7481
Imaging Unit For MC8650, Black, 220V	120,000 pages	A0DE03K
Imaging Unit For MC8650, Yellow, 220V	90,000 pages	A0DE07K
Imaging Unit For MC8650, Magenta, 220V	90,000 pages	A0DE0DK
Imaging Unit For MC8650, Cyan, 220V	90,000 pages	A0DE0JK
Waste Toner Bottle for mc8600	50,000 pages	A0D70YA

In-Box Toner: Cyan, Magenta, Yellow (yield up to 6k); Black (yields up to 9k)

Replacement Toner: Cyan, Magenta, Yellow (yield up to 20k); Black (yields up to 26k)

Imaging Units: Cyan, Magenta, Yellow (yield up to 90k); Black (yields up to 120k)

Waste Toner Box: Yields up to 200k B&W; 50k colour

*The stated life expectancy of each consumable is based on printing under specific operating conditions such as page coverage for a particular page size (5% coverage of letter/A4). The actual consumable's life will vary depending on the use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature, and humidity.

Warranty period and conditions*

1 year on-site warranty (within AP; local law applies)
 An optional increase of one or two years warranty, (total two or three years) is available.
 Extra One Year Onsite 2608650-600
 Extra Two Year Onsite 2608650-700

*For Singapore product warranty, please contact your reseller or Singapore Office



Australia
 Sales Free Call: 1800 265 687
 Tel: +61 2 9878 5333
 Fax: +61 2 8873 6653
 Email: sales@printer-konicaminolta.com

New Zealand
 Sales Free Call: 0800 490 061
 Tel: +64 9 475 5299
 Email: sales@printer-konicaminolta.com

Singapore
 Tel: +65 6735 8466
 Fax: +65 6735 8477
 Email: sales@printer-konicaminolta.com

Cambodia, India, Indonesia, Malaysia, Philippines, Sri Lanka, Thailand, Vietnam
 Above countries please contact your reseller or the Singapore office.

Technical Support Free Call:
 Australia: 1800 456 999
 India: +91 120 252 6518/19
 Indonesia: +62 21 420 3888
 Malaysia: +60 3 7958 5988
 New Zealand: 0800 443 687
 Philippines: +63 2 747 6888
 Singapore: 1800 735 4498
 Thailand: +66 2 235 0156
 Vietnam: +84 8 862 9855
 Email: support@printer-konicaminolta.com

www.printer-konicaminolta.com

Authorised Dealer



KONICA MINOLTA

magicolor
 8650 DN

High Speed Network Graphic

Basic Features

Speed

- Print speed A4: 35 ppm (colour / mono)
- Print speed A3: 17.7 ppm (colour / mono)
- First page out: 8.5 seconds (colour), 5.9 seconds (mono)
- Gigabit Ethernet

Graphic Power

- Resolution: PhotoART 19200 (600 x 600 x 5 bit contone)
- Printer emulations: PostScript 3, PCL 6, XPS Direct Print*, PDF 1.6 Direct Print*, JPEG/TIFF Direct Print*
- *Requires optional Hard Drive

Operating System

- Windows Vista (32/64-bit) / Server 2003 (32/64-bit) / XP (32/64-bit) / 2000 / NT4 (SP6+), Mac OS X (v10.2+) / OS X (Intel) (v10.4+), Linux

Media Handling

- Media weight up to 271 gsm
- A3+ (311 x 457 mm)*, including crop marks and colour bars
- *Not available for Macintosh
- Banner printing up to 311 x 1200 mm



PRINT PRODUCTIVELY. PRINT CREATIVELY.

The magicolor® 8650DN colour laser printer offers resources that far surpass industry standards to deliver performance, productivity, and perfection. It serves the department or workteam with fast 35 ppm speed and job pipelining that keeps the workflow moving. This large-format printing solution has versatile, highly-expandable media options and document finishing for in-house publishing and creative design. And it emphasizes usability, with desktop tools and automated colour control, to simplify everyday operation. For perfect prints, the magicolor® 8650DN features revolutionary 19,200 x 600 dpi-class quality to keep your documents—and your image—looking their best.

COLOUR POWERHOUSE

Tandem speed and Emperon™ pipeline productivity. Get prints at 35 ppm colour and b&w, with your first b&w page in under 6 seconds. Behind the scenes a 1 GHz PowerPC processor, full gigabyte of RAM, and Gigabit Ethernet interface pipeline multiple jobs for non-stop productivity.

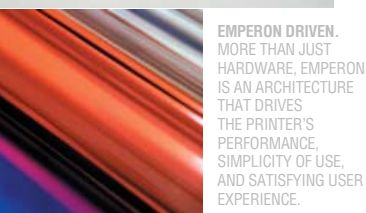
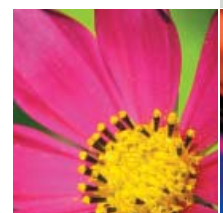
35 PPM 35 PPM

CREATIVE EDGE WITH VERSATILE MEDIA SUPPORT. THE PRINTER SUPPORTS 311 x 457 MM* MEDIA—PERFECT FOR COLOUR PROOFS WITH CROPS & COLOUR BARS—AND UP TO BANNER SIZE. THICK STOCK SUPPORT UP TO 271 GSM SURPASSES INDUSTRY STANDARDS TO GIVE YOU A CREATIVE EDGE WHEN DEVELOPING YOUR BUSINESS DOCUMENTS AND YOUR PROFESSIONAL IMAGE.
*NOT AVAILABLE ON MACINTOSH



PERFECT COLOUR & MEDIA FLEXIBILITY

On-the-mark colour. 5-bits/pixel contone technology delivers 19,200 x 600 dpi-class quality with 256 smooth gradations. Advanced image processing and edge enhancement mode ensure fine lines and small-point text are sharp, clear, and complete. And the magicolor 8650DN's enhanced Automatic Density Control (eAIDC) means colour reproduction stability from first print to last.



EMPERON DRIVEN. MORE THAN JUST HARDWARE. EMPERON IS AN ARCHITECTURE THAT DRIVES THE PRINTER'S PERFORMANCE, SIMPLICITY OF USE, AND SATISFYING USER EXPERIENCE.

Portfolio of possibilities. The magicolor 8650DN supports media from postcard to 311 x 1200 mm, including 304 x 457 mm for full-bleed tabloid proofs complete with cropmarks. Every input source handles stocks up to a heavy 256 gsm (94 lb. cover equivalent), and up to 271 gsm via the multipurpose tray for extra versatility. Load trays with different media to manage all your business and creative applications.

IN-HOUSE PUBLISHING

On-demand, short-run production. Create professional documents in-house that project your best image. The magicolor 8650DN has a 3-way, 1,150-sheet paper input system expandable to 3,650 sheets for high-volume production. A built-in automatic duplexer delivers two-sided documents while using 50% less paper. Add staple, hole punch, fold, and mailbin finishing options for ready-to-deliver documents.



SECURE PRINTING. PROTECT DATA AND ENSURE DOCUMENTS MEANT FOR YOUR EYES ONLY STAY THAT WAY. OPTIONAL ENCRYPTION KIT, PERSONAL USERBOXES, AND THE BUILT-IN NETWORK SECURITY OF TCP/IP V6 MAKE IT POSSIBLE.



SPECTACULAR COLOUR FOR PROFESSIONAL RESULTS. KONICA MINOLTA'S EXCLUSIVE SIMITRI® HD COLOUR POLYMERIZED TONER, 5-BIT PER PIXEL CONTONE COLOUR, AND EDGE ENHANCEMENT TECHNOLOGY RESULT IN PHOTOREALISTIC IMAGES, SMOOTH GRADATIONS, AND SHARP, CLEAR TEXT AND LINES. THIS LEVEL OF QUALITY TRANSLATES TO PROFESSIONAL PRINTS THAT PORTRAY YOUR BEST IMAGE.

FINISHING OPTIONS

- ▶ AUTO DUPLEXING
- ▶ CORNER STAPLE
- ▶ 2-POSITION STAPLE
- ▶ SADDLE STITCH STAPLE
- ▶ FOLDING
- ▶ 2/3-HOLE PUNCH
- ▶ ADDRESSABLE MAILBINS

VERSATILE OPTIONS

- 1 150-sheet multipurpose tray supports media from postcard to 311 x 1200 mm, up to a heavy 271 gsm.
 - 2 Two 500-sheet cassettes eliminate frequent paper replenishing.
 - 3 Automatic duplexer is standard for two-sided page printing.
 - 4 Input Options
 - ▶ 500-sheet paper feed cabinet includes cassette and storage drawer.
 - ▶ 1,000-sheet paper feed cabinet includes two 500-sheet cassettes.
 - ▶ 2,500-sheet large-capacity paper feed cabinet (shown) brings paper input to its 3,650 sheet maximum.
 - ▶ Printer desk features a convenient storage drawer.
 - 5 Finisher Options
 - ▶ Staple Finisher (shown) includes 2-bin output to collate and offset print. Offers corner and 2-position stapling.
 - ▶ Floor finisher collates; offset prints; has corner, 2-position, and saddlestitch stapling; creases pages to create booklets up to 60 pages.
- Also Available
- ▶ Saddle stitcher for staple finisher. Crease and saddle-stitch up to 279 x 431 mm pages for bookletmaking.
 - ▶ Punch kits for finisher options. Adds 2/3-hole punch capabilities.
 - ▶ Mailbin kit adds four addressable mailbins to staple finisher.
 - ▶ Banner tray supports extra-long media used for banner printing.

FEATURES, OPTIONS & BENEFITS

More to speed than pages per minute. The magicolor 8650DN's ultra-fast CPU and advanced Emperon print system process print jobs at high speed for best-in-class performance.

Integrated workflow. Equipped with a Gigabit Ethernet interface, the magicolor 8650DN fits right into mixedplatform teams. Windows, Macintosh, and Linux compatible, it features PostScript 3 and PCL 6 emulations and includes TCP/IP, NetWare, EtherTalk, and WSD protocols.

Precise colour matching. Let the magicolor 8650DN's built-in ICC colour matching system, dynamic contone screening, and object segmentation automatically adjust colour for you. Adjust colour and halftones by object, or download ICC profiles for specific colour control.

100% duplex productivity. An exclusive paper-crossing system optimizes the paper path used when printing twosided pages to maintain 100% speed and productivity.

Data protection. Use the optional 60 GB hard disk to store fonts and forms, and set up user boxes for individual document control. The built-in network security of TCP/IP v6 adds a new level of data protection.

Direct print and save time. Print JPEG, TIFF, PDF and XPS files directly. Simply drag and drop files in PageScope Web Connection to print (hard disk required).

Office-smart print control. Desktop point-and-click commands put printer control at your fingertips. Activate email alerts for offline conditions. View supply levels from your desk before printing big jobs. And rely on InfoLine, an indicator on the control panel and input trays, that lets you know at a glance if the printer requires attention.

High-yield supplies—low downtime. Rated toner yield of 20,000 prints per colour, 26,000 prints for black, and imaging units that yield from 90,000 to 120,000 prints, put an end to frequent replacement. Select toner-saving mode to decrease toner usage up to 60% on drafts and reference materials—a great money saver.

Laser reliability. A duty cycle of up to 150,000 pages per month, long-lasting 400,000 print fuser life, and state-of-the-art laser technology add up to years of reliable service.



magicolor 8650 DN