



KONICA MINOLTA

## magicolor 4650 series

DO BUSINESS BETTER



CONNECT\_

COMMUNICATE\_

CONTROL\_



### SLEEK, SMART AND STATEMENT-MAKING.

Modern design meets efficiency in the magicolor® 4650 series. These stylish printers deliver eye-catching documents at top speeds without sacrificing quality. At 25 pages per minute and impressive 9600 x 600 dpi-class contone color, the magicolor 4650EN and magicolor 4650DN produce professional, high-quality prints in a flash. And these quiet powerhouses won't disturb your office. Even while duplexing, the magicolor 4650DN keeps noise levels at a minimum so your productivity levels can be maximized. Time saving print options and user friendly design make the magicolor 4650 series the perfect complement to any productive workgroup.



The essentials of imaging

## magicolor 4650 series

- ▶ 25 PPM IN COLOR AND B&W FOR HIGH-DEMAND JOBS
- ▶ BOLD 9600 X 600 DPI-CLASS PHOTOART CONTONE COLOR
- ▶ EMPERON™ PRINT SYSTEM FOR HIGH PERFORMANCE
- ▶ 256 MB RAM, OPTIONAL 40 GB HARD DRIVE TO BOOST PRODUCTIVITY
- ▶ POSTSCRIPT 3 & PCL 6 EMULATIONS
- ▶ DIRECT PRINT PDF, XPS, JPEG & TIFF FILES
- ▶ NATIVE XPS INTERPRETER FOR WINDOWS VISTA, INCLUDING WSD SUPPORT
- ▶ GIGABIT ETHERNET, USB 2.0 AND PARALLEL INTERFACES
- ▶ ECONOMICAL DUPLEX PRINTING WITH DN MODEL
- ▶ USER-FRIENDLY, ERGONOMIC DESIGN
- ▶ RELIABLE 90,000 PAGE-PER-MONTH MAXIMUM DUTY CYCLE
- ▶ PAGESCOPE SOFTWARE SUITE SIMPLIFIES NETWORK MANAGEMENT



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### POWER AND VIVID VERSATILITY

**Sleek, productive package.** The magicolor 4650 series features the equipment every workgroup needs to captivate audiences and remain competitive.

**Attention-demanding, color laser.** Equipped with 9600 x 600 dpi-class contone color, the magicolor 4650 series produces eye-catching, bold graphics and crisp text project after project at 25 ppm for color and b&w.

**Countless options for complete customization.** Options, including a 40 GB hard drive, expandable memory and an additional input tray, offer users endless possibilities for personalization.



### ECONOMICAL CONVENIENCE

**Save time and paper.** The magicolor 4650DN comes equipped with an internal, automatic duplexer. Two-sided printing delivers high-impact documents while using 50% less paper. It also utilizes an enhanced paper crossing system that allows the printer to maintain 100% productivity while producing two-sided documents.

**SLEEK, NEW DESIGN.** A LOWER HEIGHT OF 15.2" AND STYLISH MODERN DESIGN MAKE THE MAGICOLOR 4650 SERIES THE PERFECT COMBINATION OF STYLE AND FUNCTIONALITY.

**SUPERB QUALITY.** THE MAGICOLOR 4650 SPECS INCLUDE HIGH RESOLUTION AND A DEPENDABLE DUTY CYCLE OF 90,000 PRINTS PER MONTH. TRANSLATION: HIGH QUALITY YOU CAN RELY ON, FROM THE FIRST PAGE TO THE LAST.



## FEATURES, OPTIONS & BENEFITS

**Powered by Emperon.** Equipped with Emperon technology and 500 MHz processor, the magicolor 4650 series boasts a first-page output time of 14.5 seconds. And it quickly delivers 25 pages per minute—color and black and white.

**Time-saving direct print options.** The magicolor 4650 series allows users to print XPS, PDF, JPEG and TIFF files directly from a USB flash drive, or drag and drop the files for print using PageScope Direct Print.

**Quiet workhorse.** The magicolor 4650 series features a low acoustic noise level so it will never disturb your workflow. When producing bold, two-sided documents the magicolor 4650DN remains quiet while delivering high throughput.

**Stylish, ergonomical design.** With a height of only 15.2 inches, the magicolor 4650 series seamlessly fits into any workgroup. And its simple control panel design allows users to quickly navigate through the intuitive menu with total ease. The series is also equipped with InfoLine-style display for at-a-glance printer status up close or from a distance.

**Robust and reliable.** This dependable dynamo effortlessly tackles high-volume printing. With a monthly duty cycle of 90,000 prints, this efficient office assistant won't disappoint.

**Contone color communicates.** The magicolor 4650 series boasts 9600 x 600 dpi-class color and eAIDC automatic color calibration which insures consistent, incredible output every time. PhotoArt contone technology delivers crisp detail, smooth gradients and accurate colors. And while utilizing the toner save mode, users can conserve toner usage—up to 60%, while maintaining text quality.

**Buy with confidence.** The magicolor 4650 series is backed by a one-year on-site warranty and 24/7 online technical support for complete peace of mind.

**Flexible interfaces.** A Gigabit Ethernet interface offers high-speed network printing for any size workgroups. Users can also connect via USB 2.0 and parallel ports for effortless local operation.



**POWERFUL PAGESCOPE™ SOFTWARE.** PAGESCOPE WEB CONNECTION FOR WEB-BASED DEVICE MANAGEMENT, PAGESCOPE NET CARE FOR REMOTE CONFIGURATION OF MIB-COMPLIANT PRINTERS, DESKTOP STATUS MONITOR FOR PRINT STATUS REVIEW AND ERROR ALERTS.

**REDUCED NOISE LEVELS.** LOWER ACOUSTIC LEVELS ALLOW YOUR WORKGROUP TO CARRY ON BUSINESS AS USUAL WHILE MAINTAINING AN ULTRA-FAST PRINT TIME TO KEEP YOUR TASKS ON TRACK.

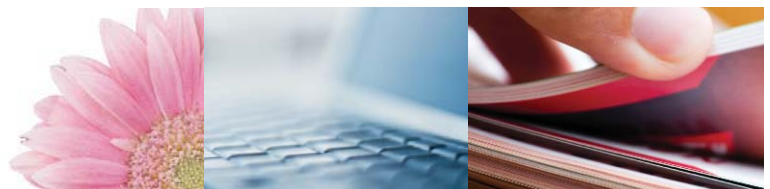


**25 PPM** **25 PPM**



**EDGE ENHANCEMENT.** GET NOTICED BY USING THE EDGE ENHANCEMENT FUNCTION. EVEN SMALL FONT SIZES HAVE CLEAR AND CRISP CHARACTERS SO YOUR DOCUMENTS RECEIVE THE ATTENTION THEY DESERVE.

**VERSATILE HANDLING.** FOR BIG PROJECTS, THE MAGICOLOR 4650 SERIES CAN BE EQUIPPED WITH AN 500-SHEET CASSETTE FOR A MAX INPUT OF 850 SHEETS. THE MAGICOLOR 4650DN HAS A BUILT-IN AUTO DUPLEXER THAT EASILY HANDLES YOUR COLORFUL BOOKLETS AND MULTI-PAGE FILES.





# magicolor 4650 series

## GENERAL SPECIFICATIONS

### PRINTING PROCESS

**PRINT METHOD:**  
Electrophotographic Laser

### PRINT SPEED\*:

Color: 25 ppm  
Monochrome: 25 ppm  
\*Exact print speed differs depending on system configuration, software application, driver, and document complexity.

### FIRST-PAGE OUTPUT TIME:

Color: 14.5 seconds  
Monochrome: 14.5 seconds

### RESOLUTION:

9600 x 600 dpi-class with PhotoART  
(600 x 600 x 4 bit contone)

### MAXIMUM MONTHLY DUTY CYCLE:

90,000 prints

### HARDWARE AND SOFTWARE CAPABILITIES

#### PROCESSOR:

500 MHz Marvell Orion II

#### MEMORY:

256 MB  
Upgradeable to 768 MB

#### HARD DISK DRIVE (optional):

40 GB

#### COMPACT FLASH CARD (optional)\*:

256 MB, 512 MB, 1 GB, 2 GB, 4 GB  
\*Requires Compact Flash Card adapter. Cannot be installed at the same time as Hard Drive option.

#### OPERATING SYSTEM COMPATIBILITY:

Windows Vista  
Windows Vista x64  
Windows Server 2003  
Windows Server 2003 x64  
Windows XP  
Windows XP x64  
Windows 2000  
Macintosh OS X (v10.2+)  
Macintosh OS X (Intel) (v10.4+)  
Linux Red Hat 9  
Linux SuSE 8.2

#### PRINTER EMULATIONS:

PostScript 3  
PCL 6  
XPS Direct Print\*  
PDF 1.6 Direct Print\*\*  
JPEG/TIFF Direct Print\*\*  
\*Requires optional Hard Drive  
\*\*Requires optional Hard Drive or Compact Flash Card

#### CAMERA DIRECT PHOTO PRINT:

Pictbridge 1.0 via USB 1.1 Host

#### PRINTER MANAGEMENT:

PageScope Net Care  
PageScope Web Connection  
PageScope Network Setup  
PageScope EMS Plug-Ins:  
Tivoli Netview  
CA Unicenter  
HP Open View  
Microsoft Management Console (MMC)  
PageScope Web Jet Admin Plug-In  
PageScope Plug and Print  
PageScope NDPS Gateway  
PageScope Direct Print

### COLOR CONTROL:

Enhanced Automatic Image Density Control (eAIDC)  
ICC device profiles  
Automatic ICC-based color matching  
Dynamic Contone Screening  
PANTONE Color Tables  
SWOP, Commercial, EuroColor, DIC, and TOYO press emulations

### INTERFACE SUPPORT

Gigabit Ethernet (10/100/1000BaseTX)  
IEEE 1284 Parallel  
USB 2.0  
USB 1.1 Host Port

### ETHERNET PROTOCOLS:

TCP/IP (IPv4/IPv6, IPsec, SSL, IEEE802.1x)  
AppleTalk / EtherTalk  
IPX/SPX (Netware 4/5/6), NDS Bindery, NDPS  
ARP, Ping  
Bonjour  
DHCP, AutoIP, BOOTP  
FTP  
HTTP, HTTPS  
IPP1.1  
LPR/LPD  
NetBEUI, SMB  
RAW Socket  
SMTP  
SNMP (v1/2/3)  
SNTP  
SLP  
UDP  
WSD

### PAPER HANDLING

#### STANDARD PAPER INPUT:

100-sheet multipurpose tray  
250-sheet cassette

#### STANDARD PAPER OUTPUT:

200-sheet face-down output tray

#### OPTIONAL PAPER INPUT:

500-sheet lower feeder unit

#### STANDARD AUTOMATIC DUPLEXER\*:

For two-sided printing (plain paper only)  
\*magicolor 4650DN only

#### PAPER SIZES SUPPORTED:

100-sheet multipurpose tray:  
Letter  
Legal  
4" x 6"  
Executive  
Folio  
Govt. Letter  
Govt. Legal  
Statement  
A4, A5, A6  
B5, B6  
Custom sizes:  
(W) 3.6"-8.5" to (H) 5.8"-14"  
(W) 92-216 mm to (H) 148-356 mm  
Envelopes: Monarch, Com 10, DL, B5 (ISO), C6

#### 250-sheet cassette:

Letter  
4" x 6"  
Executive  
Statement  
Govt. Letter  
A4, A5, A6  
B5, B6  
Custom sizes:  
(W) 3.6"-8.5" to (H) 5.8"-11.7"  
(W) 92-216 mm to (H) 148-297 mm

#### 500-sheet lower feeder unit (optional)\*:

Letter  
Legal  
Executive  
Govt. Legal  
A4  
B5  
Envelopes: Monarch  
\*Auto-detect all paper types except envelopes.

#### Duplexer: (magicolor 4650DN only)

Letter  
Legal  
Executive  
Folio  
Govt. Letter  
Govt. Legal  
A4  
B5  
Custom sizes:  
(W) 7.2"-8.5" to (H) 10.1"-14"  
(W) 182-216 mm to (H) 257-356 mm

#### PRINTABLE AREA:

0.17" (4.2 mm) from all edges  
13.7" maximum print length

#### PAPER WEIGHTS:

Plain paper: 16-24 lb. Bond (60-90 g/m<sup>2</sup>)  
Thick Stock: Up to 110 lb. Index (210 g/m<sup>2</sup>)  
(via multipurpose tray only)  
Duplexer: 16-24 lb. Bond (60-90 g/m<sup>2</sup>)

#### PRINT MEDIA:

Plain Paper  
Recycled Paper  
Letterhead  
Thick Stock  
Glossy Stock  
Transparencies  
Laser Quality Labels  
Envelopes  
Postcards

#### PHYSICAL

**TYPE:**  
Laser printer with Emperon technology

#### DIMENSIONS (WXDXH):

18.5" x 21.1" x 15.2"  
(469 x 536 x 385 mm)

#### WEIGHT:

magicolor 4650EN  
77.4 lbs (35 kg) - w/ consumables  
65.2 lbs (30 kg) - w/o consumables  
91.3 lbs (41.5 kg) - as shipped  
magicolor 4650DN  
79.1 lbs (36 kg) - w/ consumables  
66.9 lbs (30 kg) - w/o consumables  
91.3 lbs (41.5 kg) - as shipped

#### ELECTRICAL

##### POWER REQUIREMENTS:

120 VAC, 50/60 Hz  
220-240 VAC, 50/60 Hz

##### POWER CONSUMPTION:

Operating: 550W or less, 1200W Max.  
Standby: 140W or less

##### ENERGY STAR COMPLIANT\*:

16Wh or less  
\*magicolor 4650DN only. The addition of some options, in some combinations, may cause the product to become non-compliant.

#### ENVIRONMENTAL

##### TEMPERATURE REQUIREMENTS:

Operating: 50° to 95° F (10° to 35° C)  
Non-Operating: 32° to 95° F (0° to 35° C)

#### HUMIDITY:

Operating: 15% to 85% RH  
Non-Operating: 30% to 85% RH

#### NOISE LEVELS:

Operating: <52 dB(A)  
Standby: <39 dB(A)

#### REGULATORY/SAFETY CONFORMITY:

UL  
cUL  
CDRH  
CSA  
DOC  
FCC-B

#### CONSUMABLES\*:

In-Box Toner: Cyan, Magenta, Yellow, Black  
(yield up to 3,000 pages @ 5% coverage)  
Replacement Toner: Cyan, Magenta, Yellow, Black  
(yield up to 4,000 or 8,000 pages @ 5% coverage)  
Imaging Unit: Cyan, Magenta, Yellow, Black  
(yield up to 30,000 pages @ 5% coverage)  
Waste Toner Box

\*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.

#### TYPEFACES:

137 resident PostScript fonts  
93 PCL fonts  
10 line printer fonts

#### WARRANTY:

1-year on-site



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