



KONICA MINOLTA

magicolor 7450 II

DO BUSINESS BETTER

FULL COLOR
LARGE FORMAT
LASER
PRINTER



CONNECT

COMMUNICATE

CONTROL



THE COLOR LASER PRINTER WITH MORE.

More versatility. More speed. More color for business and design. The magicolor® 7450 II large-format laser printer gives you brilliant color at high speed for your creative concepts and 'business as usual' pages. With an Emperon® Print System, 733 MHz G4 processor and the ability to print up to 120,000 pages per month, the magicolor 7450 II has the power to serve diverse workgroups of PC and Mac users with speeds up to 24.5 ppm color and B&W. Konica Minolta's own Simitri® toner formula and 9600 x 600 dpi-class PhotoART Contone resolution ensure prints look fabulous, with true-to-life, vibrant color. And there's virtually no limit to what it can print—supporting pages up to banner size, plain paper to thick stock. Make the most of everything you print with the magicolor 7450 II.

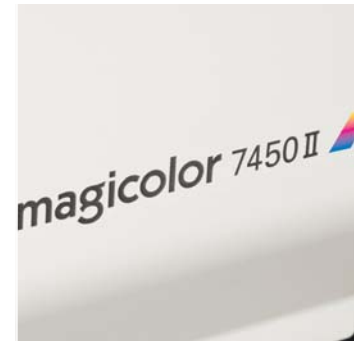


The essentials of imaging

magicolor 7450 II

- ▶ 24.5* PPM COLOR AND B&W FOR FAST DOCUMENT DELIVERY
- ▶ FIRST PAGE OUT IN 8.2 SECONDS (B&W), 11.4 SECONDS (COLOR)
- ▶ BOLD 9600 X 600 DPI-CLASS PHOTOART CONTONE COLOR
- ▶ HIGH-PERFORMANCE 733 MHZ G4 PROCESSOR & EMPERON PRINT SYSTEM
- ▶ IMAGE CMYK GRAY FEATURE FOR PURE BLACK NON-TEXT OBJECTS
- ▶ 256 MB DDR SDRAM STD./1024 MB MAX., OPTIONAL 40 GB HDD
- ▶ POSTSCRIPT® 3 (V. 3016), PCL® 6, PDF & JPEG/TIFF DIRECT PRINT** EMULATIONS
- ▶ GIGABIT ETHERNET NETWORK CONNECTION, USB 2.0 & PARALLEL INTERFACES
- ▶ 350 SHEET STANDARD INPUT, EXPANDABLE TO 1,850 SHEETS
- ▶ MEDIA SUPPORT UP TO 12.25" X 47.24"
- ▶ THICK STOCK SUPPORT UP TO 256 G/M²
- ▶ EXCEPTIONAL COLOR WITH SIMITRI POLYMERIZED TONER
- ▶ BUILT-IN AUTOMATIC ICC-BASED COLOR MATCHING
- ▶ CAMERA DIRECT PHOTO PRINTING VIA PICTBRIDGE-ENABLED USB 1.1 PORT
- ▶ REAL-TIME PRINTER MANAGEMENT VIA PAGESCOPE® SOFTWARE SUITE
- ▶ 120,000 PAGE MAXIMUM MONTHLY DUTY CYCLE MEANS RELIABILITY

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



DO BUSINESS BETTER



SECURE PRINTING. PROTECT
DATA AND ENSURE DOCUMENTS
MEANT FOR YOUR EYES ONLY
STAY THAT WAY. SECURE PRINT
MAKES IT POSSIBLE.

SPEED PLUS ALL THE EXTRAS

Fast—from 'click' to print. An Emperon Print System, powerful 733 MHz G4 processor and custom acceleration hardware manage print jobs efficiently—even from multiple users—to deliver its first B&W page in just 8.2 seconds, first color page in 11.4 seconds, and subsequent prints at 24.5 ppm.

Work team equipped. The magicolor 7450 II has PostScript 3 (v. 3016), PCL 6, PDF and JPEG/TIFF Direct Print emulations**, and includes TCP/IP, IPX/SPX, EtherTalk® and UDP protocols for seamless document printing and the latest in network security. With its Emperon 5.1 controller technology, the magicolor 7450 II serves diverse teams of Windows, Macintosh® and Linux® users.

CREATIVE FLEXIBILITY

Broad media sizes and types. Standard letter-sized documents. Spreadsheets on legal paper. Full-bleed tabloid designs with crop and registration marks. Banner posters. Postcards and envelopes. Custom creations. The printer includes a 250-sheet multipurpose cassette and 100-sheet manual feed tray that accepts thick stock up to 140 lb. Index. Add up to three 500-sheet cassettes for higher print traffic and to bring paper capacity to its maximum of 1,850 sheets.

PRECISION COLOR

Color you expect. The magicolor 7450 II features automatic and hands-on technologies—including a built-in ICC-based matching system—that allow you to get the results that match your expectations. The printer automatically maintains color consistency page after page with enhanced Automatic Image Density Control (eAIDC) smart calibration system.

Professional print quality. The magicolor 7450 II's 9600 x 600 dpi-class resolution generates true-to-life photographic detail, smooth color gradients, and highly saturated deep blacks using contone printing technology. The printer uses Simitri Polymerized Toner for exceptional results and durable prints that don't smear or fade.

*Based on letter/A4 page size
**HDD is required

SUPERB COLOR QUALITY.
 SIMITRI POLYMERIZED
 TONER GIVES PRINTS
 EXCEPTIONAL COLOR—
 RICHER GRAPHICS,
 SHARPER TEXT AND
 LINES, SMOOTHER
 GRADATIONS, SUPERIOR
 IMAGES AND HALFTONE
 REPRODUCTIONS.



24 PPM 24 PPM

FEATURES, OPTIONS & BENEFITS

Intuitive and easy. Front-door access to color-coded supplies makes replacement quick and simple. The printer's 4-line LCD display communicates toner levels and printer status clearly, and navigates you through the menu system step by step.

New creative tools. PDF 1.6* makes it possible to print transparent objects embedded in documents for true-to-life proofs. Image CMYK Gray feature prints non-text black objects using black toner rather than processed black (CMYK) for richer results. Select Thin Line Mode to print thin lines and small text for important details.

Prints—large and small. Supporting a wide range of media sizes, the magicolor 7450 II can print on custom media as small as 3.55" x 5.50", to 12.25" x 18" for full-bleed tabloid designs, and up to banner size of 12.25" x 47.24". Select N-up, booklet printing or poster printing in the driver, and customize output. Equip the printer with a duplexer for automatic two-sided printing of reports, hand-outs and more.

Optional hard drive. Add a 40 GB HDD to store fonts and forms, direct print files and access secure print features.

Color choice. Simulate color you see on your monitor, printing press or other device via the user-friendly print driver. The magicolor 7450 II also includes SWOP, Commercial Press, Eurocolor, TOYO, DIC, and SNAP press emulations and PANTONE® Color tables for complete color control.

Up to 120,000 prints per month. The magicolor 7450 II can handle the load when print traffic is heavy with its maximum monthly duty cycle of 120,000 prints. Backed by a one-year on-site warranty, it's certified reliable.

Photos on the fly. Connect your PictBridge-compatible digital camera to the magicolor 7450 II and print photos in brilliant color. Choose index prints, multiple copies and N-up prints.

Internet printer management. Use your web browser and PageScope Web Connection, an embedded web server, to manage, configure and troubleshoot the printer from anywhere on the network.

Convenient PageScope Management. An entire software suite, PageScope lets users and administrators monitor and manage print jobs and devices—from the convenience of their workstation.

VERSATILE FEATURES

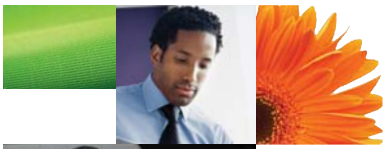
- 1 Front keypad** provides intuitive graphical display with dynamic "help" functions and at-a-glance toner gauges.
- 2 100-sheet manual feed tray (standard)** supports media to 12.25" x 47.24", up to a heavy 140 lb. Index (256 g/m²) for creative versatility.
- 3 250-sheet multipurpose cassette (standard)** supports media to 12.25" x 18", up to 256 g/m².
- 4 500-sheet cassettes (optional)** add up to three and bring paper to its maximum capacity of 1,850 sheets while eliminating frequent refilling. Load trays with different media for complete project flexibility.
- 5 Automatic duplexer (optional)** for two-sided page printing, it also saves valuable paper resources as well as filling space.
- 6 Banner tray (optional)** provides no-hands support of banner media (up to 10 sheets) up to 47.24" in length, ensuring it is fed properly into the printer.
- 7 Caster base (optional)** includes rolling casters for printer mobility. It can be locked into place to ensure stability.
- 8 USB 1.1 Port (standard)** supports camera direct photo printing via PictBridge technology.



BUILD TO SERVE.
 CUSTOMIZE THE
 MAGICOLOR 7450 II TO
 SUIT THE WAY YOU DO
 BUSINESS. ITS MULTIPLE
 DOCUMENT HANDLING
 OPTIONS ADD FLEXIBILITY
 AND PRODUCTIVITY TO
 KEEP PEOPLE AND PAPER
 MOVING.

magicolor

*HDD is required



magicolor 7450 II

GENERAL SPECIFICATIONS

PRINTING PROCESS

PRINT METHOD:
Single-pass, large-format color laser

PRINT SPEED*:

24.5 ppm color, 24.5 ppm b&w
*Exact print speed differs depending on system configuration, software application, driver and document complexity.

WARM-UP TIME:

99 seconds or less

FIRST-PAGE OUTPUT TIME:

Color: 11.4 seconds
Monochrome: 8.2 seconds

RESOLUTION:

9600 x 600 dpi-class with PhotoART

RECOMMENDED MONTHLY DUTY CYCLE:

120,000 prints

HARDWARE AND SOFTWARE CAPABILITIES

PROCESSOR:

733 MHz G4 PowerPC® 7447A

MEMORY:

256 MB DDR SDRAM
Upgradeable to 1,024 MB

HARD DISK DRIVE (optional)*:

40 GB
*For downloaded fonts, forms and color profiles; electronic collation; job accounting; direct PDF, JPEG and TIFF printing; proof then print, secured job, print and hold, and stored job functions.

OPERATING SYSTEM COMPATIBILITY:

Windows Vista
Windows Vista x64
Windows Server 2003
Windows Server 2003 x64
Windows XP
Windows XP x64
Windows 2000
Macintosh OS 9 (v9.1+)
Macintosh OS X (v10.2+)
Macintosh OS X (v10.5+)
Linux Red Hat 9
Linux SuSE 8.2

PRINTER EMULATIONS:

PostScript 3 (v. 3016)
PCL 6
PCL XL (3.0)
PDF 1.6*
JPEG/TIFF Direct Print*
*Requires optional Hard Drive

CAMERA DIRECT PHOTO PRINTING:

PictBridge™ 1.0 via USB 1.1 Host Port

PRINTER MANAGEMENT:

PageScope Net Care
PageScope Web Connection
PageScope Network Setup
PageScope EMS Plug-ins
Tivoli NetView (2.0)
CA Unicenter 2.0
HP OpenView
Microsoft Management Console (MMC)
PageScope Plug and Print
PageScope NDPS Gateway
PageScope Direct Print
Status Monitor
Download Manager

COLOR SUPPORT:

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

INTERFACE SUPPORT

Gigabit Ethernet (10/100/1000BaseTX)
IEEE 1284 Parallel (supports Microsoft "Plug and Play")
USB 2.0 (supports Microsoft "Plug and Play")
USB 1.1 Host Port*
*For Camera Direct Photo Printing

PROTOCOLS:

TCP/IP
EtherTalk
IPX/SPX (NetWare 4/5/6), NDS Bindery, NDPS
ARP, Ping/ARP
DHCP, AutoIP, BOOTP
FTP
HTTP, HTTPS
IPP1.1
LPD
NetBEUI
SLP
SMB
SMTP
SNMP
TCP/IP socket
Telnet
UDP
UPnP

PAPER HANDLING

STANDARD PAPER INPUT:

250-sheet multipurpose cassette
100-sheet manual feed tray

OPTIONAL PAPER INPUT:

500-sheet cassette (add up to 3)
Banner tray

STANDARD PAPER OUTPUT:

350-sheet face-down output tray

OPTIONAL AUTOMATIC DUPLEXER:

For two-sided printing (plain paper only)

PAPER SIZES SUPPORTED*:

250-sheet multipurpose cassette (standard):
Letter
Legal
Ledger
4" x 6"
12" x 18"
Executive
Folio
Govt. Letter
Govt. Legal
UK Quarto
SP Folio
Statement
A3, A4, A5, A6
B4, B5, B6
Custom sizes:
(W) 3.55"-12.25" to (L) 5.5"-18"
(W) 90-311 mm to (L) 140-457 mm
Envelopes: Monarch, Com10, DL, B5 (ISO), C5
Postcards: Double
100-sheet manual feed tray (standard):
Same as multipurpose cassette plus custom sizes:
(W) 3.55"-12.25" to (L) 5.5"-47.24"
(W) 90-311 mm to (L) 140-1200 mm

500-sheet cassette (optional):

Letter
Legal
Ledger
Executive
Govt. Letter
Govt. Legal
Statement
A3, A4, A5
B4, B5
Duplexer (optional):
Letter
Legal
Ledger
12" x 18"
Executive
Folio
Govt. Letter
Govt. Legal
UK Quarto
SP Folio
Statement
A3, A4, A5
B4, B5
Custom sizes:
(W) 3.55"-12.25" to (L) 5.5"-18"
(W) 90-311 mm to (L) 140-457 mm

*See Konica Minolta Media Guide for more information

PRINTABLE AREA:

0.16" (4 mm) from left & right edges
0.17" (4.2 mm) from top & bottom edges
0.08" (2 mm) from all edges for sizes
12.25" x 18" and above

PAPER WEIGHTS:

Plain paper: 16-24 lb. Bond (60-90 g/m²)
Thick Stock: Up to 140 lb. Index (256 g/m²)

PRINT MEDIA:

Plain Paper
Letterhead
Thick Stock
Glossy Stock
Transparencies
Laser Quality Labels
Envelopes
Postcards
Banner - up to 12.25" x 47.24"
(311 x 1200 mm)

PHYSICAL TYPE:

Laser printer with Emperon Print System

DIMENSIONS (WXDXH):

25.5" x 23.6" x 18.7"
(648 x 606 x 477 mm)

WEIGHT:

133.4 lbs. (60.5 kg) - w/consumables
114.6 lbs. (52 kg) - w/o consumables
176.4 lbs. (80 kg) - as shipped

ELECTRICAL

POWER REQUIREMENTS:

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

POWER CONSUMPTION:

Operating: 700 Watts Avg., 1,450 Watts Max.
Standby: 130 Watts Avg.

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: 10% to 85% RH

NOISE LEVELS:

Operating: ≤52 dB(A)
Standby: ≤40 dB(A)

REGULATORY/SAFETY CONFORMITY:

UL
cUL
CSA
FCC-B
CDRH
DOC
SASO
RPC

CONSUMABLES*:

In-Box Toner-Cyan, Magenta, Yellow, Black
(yield up to 3,000 pages @ 5% coverage)
Replacement Toner-
Cyan, Magenta, Yellow (yield up to 12,000 pages @ 5% coverage)
Black (yields up to 15,000 pages @ 5% coverage)
Imaging Units-
Cyan, Magenta, Yellow (yield up to 30,000 pages)
Black (yields up to 50,000 pages)
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, and 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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