



KONICA MINOLTA

## pagepro 4650EN

DO BUSINESS BETTER



MONOCHROME  
LASER  
PRINTER



CONNECT\_

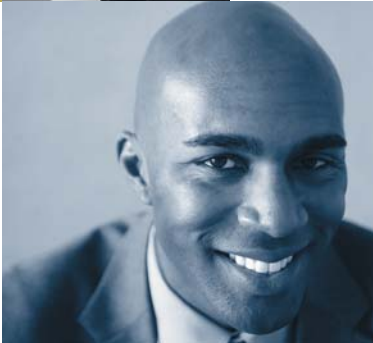
COMMUNICATE\_

CONTROL\_



### BETTER. FASTER. SMARTER.

Rock-solid reliability and high-powered performance come together in the fast pagepro™ 4650EN workgroup laser printer. Packed with a 500 MHz processor and optimized Emperon™ technology, the printer hits speeds of 35.7 pages per minute—first pages out in as fast as 8.8 seconds—and cranks out up to 150,000 prints per month. All varieties of approved paper, including envelopes and special media, can be used. A multiprotocol Gigabit Ethernet interface and suite of management tools make network integration easy. PC, Mac and Linux users are well supported. For fast-paced companies, the pagepro 4650EN is THE choice to keep business on track.



The essentials of imaging

## pagepro 4650EN

- ▶ 35.7 PPM FOR FAST NETWORK PRINTING
- ▶ 1200 X 1200 DPI DELIVERS CRISP BLACK TEXT, CLEAR DETAILED GRAPHICS
- ▶ EMPERON™ PRINT SYSTEM ENSURES VERSATILITY AND HIGH PERFORMANCE
- ▶ 128 MB RAM, OPTIONAL 40 GB HARD DRIVE FOR ENHANCED FUNCTIONS
- ▶ POSTSCRIPT 3 AND PCL 6 EMULATIONS, MULTI-PLATFORM COMPATIBLE
- ▶ DIRECT PRINT PDF, XPS, JPEG & TIFF FILES
- ▶ NATIVE XPS INTERPRETER FOR WINDOWS VISTA, INCLUDING WSD SUPPORT
- ▶ GIGABIT ETHERNET, USB 2.0, AND PARALLEL INTERFACES
- ▶ POSTCARD TO LEGAL PRINT SIZES SUPPORTED
- ▶ HIGH-CAPACITY PAPER OPTIONS FOR WORKGROUP REQUIREMENTS
- ▶ ROBUST 150,000 PAGE-PER-MONTH MAXIMUM DUTY CYCLE
- ▶ PAGESCOPE SOFTWARE SUITE SIMPLIFIES NETWORK MANAGEMENT
- ▶ INFOLINE-STYLE FEATURE PROVIDES AT-A-GLANCE PRINTER STATUS



DO BUSINESS BETTER



pagepro

### RELIABILITY THROUGHOUT

**In it for the long haul.** Outstanding reliability is a critical element of a workgroup resource and the pagepro 4650EN rises to the challenge. Quality is evident throughout the printer's design. Proven laser technology provides dependable service and long-lasting printed documents. And the well-constructed pagepro engine supports an impressive duty cycle of 150,000 pages per month with low operational costs for years of valuable service.

### PERFORMANCE DRIVEN

**Fast and Productive.** The combination of Emperon technology, an advanced 500 MHz processor, and performance-based engine keeps print jobs moving efficiently. Expect first pages in as fast as 8.8 seconds. Entire jobs run up to 35.7 ppm. The pagepro 4650EN comes standard with 128 MB RAM that can be expanded to 384 MB RAM. Advanced functions, such as direct print and secure print services, are supported by an optional 40 GB hard drive.

### MORE PAPER OPTIONS

**Versatile media support.** The pagepro 4650EN offers great output quality and loads of paper handling options. Text is sharp and graphics are beautifully detailed. Great-looking documents come in all varieties. Select thick or thin paper, recycled or new, labels, envelopes, and even transparencies. In fact, use different stocks in each of the printer's two paper trays.

**Documents delivered your way.** Save time restocking the printer by adding optional trays and more than double the capacity to 1,800 sheets. The print driver offers settings for collation, booklets and n-up printing. A 500-sheet stacker/sorter unit is available to keep multiple documents in neat order. For paper conservation, use the optional duplex unit and cut paper use in half.

### NETWORK READY

**Workteam ready.** The pagepro 4650EN contains an embedded Gigabit Ethernet interface to handle all varieties of computers and applications and multiple protocols—including TCP/IP v6, IPsec and SSL—for the latest in network and security standards. Integration is seamless. A comprehensive suite of PageScope utilities make network installation and printer management fast and easy.

## FEATURES, OPTIONS & BENEFITS

**Supports mixed computing networks.** The pagepro 4650EN handles the diverse range of today's computing environments—PCs, Macs, and Linux—with support for TCP/IP, EtherTalk, NetWare, and NetBEUI protocols and PostScript 3, PCL 6, XPS, and PDF page description languages.

**Papers for your business ventures.** Business documents come in all sizes. Postcards to legal-size, and even banner paper, can be used safely in the printer. Other media can be used too. Try letterhead, cardstock, and other approved paper types to give projects a custom look.

**Direct print options.** Conveniently located, the USB 1.1 Host Port enables direct printing of PDF, XPS, JPEG, and TIFF files from a USB flash drive. No computer or additional software required. Or drag and drop files for print using your desktop PageScope Direct Print utility.

**Advanced print functions.** The printer's powerful 40 GB hard disk (optional) is used to store fonts and forms; retains jobs for easy reprinting; provides secure printing with a 4-digit PIN verification; assists with collation jobs; enables direct print functionality; and holds proof copy for review before printing. An optional Compact Flash Card also supports many of these advanced functions.

**Office-friendly design.** The pagepro 4650EN features modest proportions and quiet operation—even when duplexing—to fit nicely into any professional environment. The front keypad is easy to read and clearly communicates helpful messages. Printer readiness is shown by the innovative InfoLine-style feature.

**Simple setup and operation.** The pagepro 4650EN is easy to use and maintain. A single all-in-one toner cartridge is the only consumable. The printer driver is simple to install and understand. Intelligent PageScope network utilities are provided for advanced administration.

**Free US-based technical support.** With a 1-year on-site warranty and toll-free, US-based support free for five years, the pagepro 4650EN is a printer you can count on.

**PAPER OPTIONS ADD VERSATILITY.** MINIMIZE TRIPS TO FILL THE PRINTER BY ADDING PAPER TRAYS. HANDY OFFSET STACKER/SORTER ORGANIZES PRINT JOBS.



**FRONT PANEL IS YOUR INFOLINE.** AT-A-GLANCE, DETERMINE TONER LEVELS, PRINT JOB STATUS, AND OFFLINE CONDITIONS. THE INFOLINE-STYLE DISPLAY PROVIDES A VISUAL INDICATION—UP CLOSE AND FROM A DISTANCE—THE STATUS OF THE PRINTER.



**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.

**DIRECT PRINTING FOR FASTER OUTPUT.** NO NEED TO OPEN PROGRAMS TO PRINT. DIRECT PRINT PDF, XPS, JPEG AND TIFF FILES WITH USB FLASH DRIVES, PAGESCOPE WEB CONNECTION AND PAGESCOPE DIRECT PRINT UTILITIES.

**35 PPM**

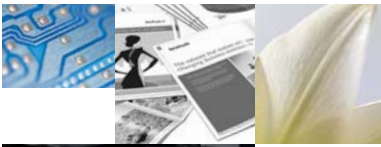
## VERSATILE\_OPTIONS

- 1 150-sheet multipurpose cassette supports media up to 8.5" x 35.4".
- 2 550-sheet cassette eliminates frequent paper replenishing.
- 3 550-sheet cassettes (optional) add up to two for 1,800-sheet max paper input.
- 4 500-sheet stacker/sorter (optional) keeps multi-page collated documents in order.

### Also Available

- ▶ Automatic duplexer for convenient, two-sided printing.
- ▶ 70-sheet face-up output tray great for thick stocks.





# pagepro 4650EN

## GENERAL SPECIFICATIONS

### PRINTING PROCESS

**PRINT METHOD:**  
Electrophotographic Laser

**PRINT SPEED\*:**  
35.7 ppm  
\*Exact print speed differs depending on system configuration, software application, driver, and document complexity.

**WARM-UP TIME:**  
≤20 seconds

**FIRST-PAGE OUTPUT TIME:**  
8.8 seconds

**RESOLUTION:**  
1200 x 1200 dpi  
600 x 600 dpi

**MAXIMUM MONTHLY DUTY CYCLE:**  
150,000 prints

### HARDWARE AND SOFTWARE CAPABILITIES

**PROCESSOR:**  
500 MHz

**MEMORY:**  
128 MB  
Upgradeable to 384 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 10.4+)  
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

**PRINTER MANAGEMENT:**  
PageScope Net Care  
PageScope Web Connection  
PageScope Network Setup  
PageScope Peer-to-Peer Printing Tool  
PageScope EMS Plug-ins:  
Tivoli NetView (2.0)  
CA Unicenter 2.0  
HP OpenView  
Microsoft Management Console (MMC)  
HP Web JetAdmin Plug-in  
PageScope Plug and Print  
PageScope NDPS Gateway  
PageScope Direct Print  
PageScope Data Administrator  
Print Monitor  
Status Monitor  
Download Manager

**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:**  
150-sheet multipurpose cassette  
550-sheet cassette

**OPTIONAL PAPER INPUT:**  
550-sheet cassettes (add up to 2)

**STANDARD PAPER OUTPUT:**  
500-sheet face-down output tray

**OPTIONAL PAPER OUTPUT:**  
70-sheet face-up output tray  
500-sheet stacker/sorter

**OPTIONAL AUTOMATIC DUPLEXER:**  
For two-sided printing (plain paper only)

### PAPER SIZES SUPPORTED:

Letter  
Legal  
Executive  
Folio  
Govt. Letter  
Govt. Legal  
Statement  
A4, A5, A6  
B5, B6  
Envelopes:\* Monarch, Com 10, DL, B5 (ISO), C6  
\*Envelopes not supported through optional duplexer

Custom sizes:  
Multipurpose cassette\*:  
(W) 3"-8.5" to (L) 5"-35.4"  
(W) 76.2-215.9 mm to (L) 127-900 mm  
\*Banners in tray 1 only  
  
All other cassettes:  
(W) 3.87"-8.5" to (L) 5.83"-14"  
(W) 98.4- 215.9 mm to (L) 148-355.6 mm

**PRINTABLE AREA:**  
0.17" (4.2 mm) from all edges  
35.1" maximum print length

**PAPER WEIGHTS:**  
Plain paper: 16-28 lb. Bond (60-105 g/m<sup>2</sup>)  
Thick Stock: Up to 80 lb. Cover (106-216 g/m<sup>2</sup>)  
\*Simplex and duplex printing

**PRINT MEDIA:**  
Plain Paper  
Recycled Paper  
Letterhead  
Thick Stock  
Transparencies  
Laser Quality Labels  
Envelopes  
Postcards

### PHYSICAL

**TYPE:**  
Laser printer with Emperon Print System

**DIMENSIONS (WXDXH):**  
16.6" x 18.3" x 15.9"  
(421.8 x 465.4 x 404.3 mm)

**WEIGHT:**  
50.2 lbs. (23 kg) - w/ consumables  
46.5 lbs. (21 kg) - w/o consumables  
60.1 lbs. (27.3 kg) - as shipped

### ELECTRICAL

**POWER REQUIREMENTS:**  
120 VAC, 50/60 Hz  
220-240 VAC, 50/60 Hz

**POWER CONSUMPTION:**  
Operating: 623W or less, 1,015W Max.  
Standby: 135W or less

### ENVIRONMENTAL

**TEMPERATURE REQUIREMENTS:**  
Operating: 50° to 90° F (10° to 32° C)  
Non-Operating: 32° to 95° F (0° to 35° C)

**HUMIDITY:**  
Operating: 15% to 85% RH  
Non-operating: 15% to 80% RH

**NOISE LEVELS:**  
Operating: ≤53.6 dB(A)  
Standby: ≤27 dB(A)

### REGULATORY/SAFETY CONFORMITY:

UL  
cUL  
CDRH  
CSA  
DOC  
FCC-B

**CONSUMABLE\*:**  
In-box Toner: Black (yields 6,000 prints @ 5% coverage)

Replacement Toner: Black (yields 10,000 prints or 18,000 prints @ 5% coverage; declared yield value in accordance with ISO/IEC 19752)

\*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

# pagepro



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