

Optra S 1620

Paper Handling

Affordable 16-ppm, 1200-dpi
desktop or small workgroup
laser printer for specialized
and general office applications

Engineered, built and backed by the company that's committed to delivering value better than anyone else, the Optra™ S 1620 or network-ready Optra S 1620n arrives on your desktop ready for workhorse printing. Whether your workgroup prints a little or a lot, these printers' innovative, modular design lets you build the paper handling to support your unique business needs. And with a 16-page-per-minute engine offered at 12-ppm prices, these durable printers provide the power you need to get the job done.

Expandable design and efficient performance offer an affordable 16-ppm solution

- 16-ppm print engine to get your jobs out quickly and efficiently
- Full-speed 1200 Image Quality or true 600 x 600 dpi for quickly printing detailed graphics or images*
- True 1200 x 1200 dpi for those times when your image is what really counts*
- Enhanced duplex option for two-sided printing at near full-rated speed

Versatile paper handling with flexible applications to meet your unique needs

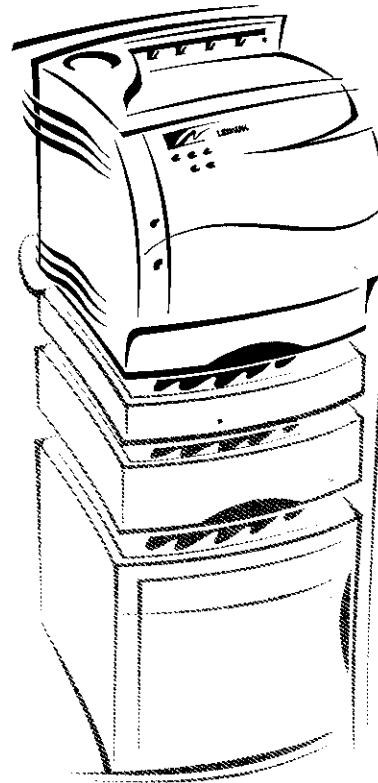
- Part of a broad family, allowing you to pick just the right printer yet standardize on one set of options and supplies
- Modular design lets you buy and build exactly what you need today and add options as your business grows
- Print on letterhead, labels, transparencies, envelopes and card stock—all from your general office printer
- Easy-load universal paper trays

Durability, ease of use and low operation cost add up to confident, worry-free printing

- Affordable price includes PostScript Level 2 and PCL® 6 emulations
- Compatible with virtually any of today's PC software applications right out of the box
- Integrates seamlessly with all major network environments, whether you're standardized on one or running several
- Supplies monitoring feature alerts you before you run out of paper or toner
- Uses high-capacity, long-lasting toner cartridges that any user can install
- MarkVision™ network printer management software makes setup, control and monitoring your printers a snap

* Printing complex files may require additional memory

85-envelope feeder option
(p/n 43H1600)



- Standard 250-sheet output
- Standard 350-sheet input includes a 250-sheet integrated tray and a 100-sheet multipurpose feeder (supports sizes as small as 3"x5" cards and up to C4 envelopes)
- Duplex (two-sided printing) option (p/n 43H1450)
- Supports up to two additional input sources:
 - 250-sheet drawer (p/n 43H0381)
 - 500-sheet drawer (p/n 43H0382)
 - 2,000-sheet drawer (maximum one) (p/n 43H2700)

Solutions Chart*

Standard input	250-sheet tray + 100-sheet multipurpose feeder= 350
Standard output	250
Total standard inputs/outputs	350/250
Duplex (option)	Yes
85-Envelope feeder (option)	Yes
Optional input	250-sheet, 500-sheet, 2,000-sheet drawers**
Maximum sheets input/output (excluding envelopes)	2,850/250
Total sources inputs/outputs	5/1

* See diagram above for paper option part numbers

** Limit of one 2,000-sheet input drawer per printer configuration

† Includes envelope feeder

Additional Capabilities

- Printer automatically senses paper low, paper out and paper size (A5, JIS, B5, Executive, Letter and Legal)
- Input trays are universal, supporting A5 up to legal and any custom size in between
- Paper weights supported include Xerographic or business papers up to 176 g/m², card stocks up to 216 g/m², labels up to 300 g/m², integrated forms up to 175 g/m² and transparencies up to 146 g/m²

Technical Specifications

Part Numbers

- Optra S 1620: 43J2200
- Optra S 1620n: 43J2238

Technology

- Laser

Performance

- 16 ppm (8 ppm @ 1200 x 1200 dpi)
- 14 seconds time to first page from integrated 250-sheet tray

Compatibility

- PostScript Level 2 emulation standard
- PCL 6 emulation standard
- SmartSwitch printer language sensing
- State Preservation saves resources when switching between datastreams
- PPDS Migration Tool
- IPDS emulation requires the optional SIMM for IPDS (p/n 44H0010)

Print Quality

- True 1200 x 1200 dpi*
- 1200 Image Quality*
- 600 x 600 dpi with PQET (Print Quality Enhancement Technology)
- 300 x 300 dpi with PQET

Processor

- 33 MHz Intel i960®JF processor

Memory

- 4MB standard
- One additional memory slot to expand up to 68MB with optional SIMMs: 4MB (p/n 45H0023), 8MB (p/n 45H0024), 16MB (p/n 45H0025), 32MB (p/n 45H0026), 64MB (p/n 45H0027)
- RAMSmart™ intelligent memory management
- Hard disk options available (p/n 45H0000 adapter w/hard disk) (p/n 45H0001 adapter w/o hard disk)
- Optional flash memory modules for permanently storing fonts, forms and macros: 1MB (p/n 45H0020), 2MB (p/n 45H0021), 4MB (p/n 45H0022)

Connectivity

- *Optra S 1620*
- High-speed bidirectional parallel port (IEEE 1284 ECP compliant)
- One PCI-based Internal Solutions Port (ISP) which supports the following options:
 - Tri-Port Adapter (p/n 44H0008) with concurrent support for the following:
 - Serial RS-232C/RS-422
 - LocalTalk
 - IrDA-compliant High Speed Infrared (requires the Infrared Adapter p/n 44H0009)

- MarkNet™ S internal network adapters:
 - Ethernet 100BaseTX and 10BaseT using Intel EtherExpress Pro/100 technology with auto-speed negotiation (p/n 44H0003)
 - Ethernet 10Base2 and 10BaseT with auto-media detection (p/n 44H0005)
 - Token-Ring using IBM PCI Token-Ring Adapter technology, 4/16Mbps with auto-ring speed detection, UTP and STP with auto-media detection (p/n 44H0001)
- Coax/Twinax Adapter for SCS for connectivity to IBM 3270 and 5250 environments (p/n 44H0011)
- Hard disk for job buffering (see Memory, above, for p/ns)
Optra S 1620n ships standard with Ethernet 100BaseTX and 10BaseT Adapter

MarkNet S Protocols and Network Operating System Support

- MarkNet S Adapters support the following protocols:
 - LexLink (DLC/LLC)
 - Novell (IPX/SPX, including full support for NetWare Directory Service - NDS)
 - AppleTalk (EtherTalk and TokenTalk)
 - TCP/IP
- Complete TCP/IP support is provided via a set of standard application services:
 - DHCP, WINS, http, lpr/lpd, ftp, tftp, finger, ping, telnet, bootp, rarp, and SNMP - MIB II and industry standard printer MIB (RFC1759)
- The following Network Operating Systems are directly supported:
 - Novell NetWare (including full NDS support)
 - Microsoft Windows NT Server V3.1, 3.5, 3.51 and 4.0
 - Microsoft Windows 95 (Peer-to-Peer) Networking
 - IBM OS/2 Warp (LAN) Server
 - IBM OS/400 V3R1 or V3R6 and later with LexLink or TCP/IP
 - AppleTalk (TokenTalk or EtherTalk)
 - Virtually any platform that supports TCP/IP printing
 - Various UNIX platforms with TCP/IP
To assist in the MarkNet S remote setup, MarkVision for UNIX Networks and MarkVision for UNIX Intranet Servers are recommended. (Licensed program product p/n 13A2120)
UNIX platforms include: AIX, DEC, NCR, HP-UX, SCO, Sun™ Solaris™ x86, Sun Solaris, SunOS™, Silicon Graphics, UnixWare

Management and Control

- MarkVision Printer Management Utility for the following client environments: Windows 3.x, Windows 95, Windows NT 4.0, OS/2 Warp, Mac OS, UNIX
- WWW browser-based Intranet and Internet printer management:
 - MarkVision for UNIX Intranet Servers (requires MarkVision for UNIX Networks)
 - MarkNet S with embedded html and http protocol support
- Support for open printer management standards
 - SNMP - MIB II and industry standard printer MIB (RFC 1759)
 - Industry standard printer MIB ensures support for virtually any SNMP-based network management application
- MarkVision automatically integrates into the following network management applications:

- Novell ManageWise
- HP OpenView for Windows
- HP OpenView Network Node Manager
- IBM NetView/6000, SystemView for AIX
- Tivoli (IBM) TME10 NetFinity for OS/2
- Tivoli (IBM) TME10 for AIX

Font Selection

- 75 PostScript scalable fonts (39 Optra compatible plus 36 additional fonts)
- 75 PCL scalable fonts (45 LaserJet 5 compatible plus 30 additional fonts)
- 2 PCL bitmapped fonts (POSTNET and Line Printer)
- World-class international font support
- 77 Symbol sets, including Latin 1, Latin 2, Latin 5, Latin 6, Cyrillic and Greek
- FontVision™ Font Management Utility available, plus 110 additional fonts

Maximum Print Line

- 13.66" (347.1mm) landscape, 8" (203.2mm) portrait
- New Fit-To-Page mode compresses edge-to-edge data to capture information on the page

Usability Features

- Easy-to-use 16-character x two-line LCD information center operator display
- Front accessibility of printed collated output, easy-to-load toner cartridge, paper tray customization, paper tray indicator knob
- Easy-to-load universal paper trays
- Quick Start utility for setup, network configuration and helpful tool kit
- Online technical support by directly accessing Lexmark's web site: www.lexmark.com/tsc/tsc.html

Environmental Features

- Energy Star compliant
- Power Saver mode
- Up to 16-page multi-up printing reduces supply usage
- Optional duplexing capability cuts paper usage by up to 50%
- Ozone-free electrophotography
- Operation ReSourceSM processes returnable print cartridges
- Toner Saver mode reduces toner usage

Size/Weight

- 15.9" W x 19.5" D x 13.2" H (405mm x 495mm x 335mm)
- 42 lbs. (19.1 kg)

Acoustics

- 48 dBA printing, 26 dBA idling

Cable

- Lexmark recommends the following (a cable is not included with the printer):
 - Parallel cable 10' (p/n 1329605) or 20' (p/n 1427498)

Supplies

- Ships with a 7,500-page toner cartridge at 5% coverage
- 17,600-page toner replacement cartridges also available

Duty Cycle

- Maximum of 65,000 pages per month

Warranty

- One-year LexExpressSM Warranty extendable to Four-Year Warranty

** Printing complex files may require additional memory*



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