

HP 2300/1100L Line Printer

Technical Data



Any way you look at it, this is a truly remarkable line impact printer. The result of listening to our customers' inputs, joined with meticulous design and implementation produced the brand new HP 2300/1100L.

The combined characteristics of the HP 2300/1100L allow it to successfully meet widely different needs at the office and in industrial environments.

For printing needs up to 1100 Lines per Minute (LPM), quiet

operation and outstanding paper handling abilities, the HP 2300/1100L is clearly your best option.

One of the most desirable characteristics in computing equipment today is ease of operation. With that in mind we are introducing our improved, multi-language control panel on the HP2300/1100L. You can always set up or configure the printer in seconds.

A menu-driven alphanumeric display guides you step by step to help you complete your task without wasting valuable time.

If your business is conducted in the quietness of a typical office, the HP 2300/1100L with its new standard sound enclosure is the right choice. The HP 2300/1100L combines the benefits of high speed and silent operation.

With the capacity to handle any load up to 280,000 pages per month, the HP 2300/1100L

The Perfect Combination of Flexibility and High Performance

represents a most sensible choice. And it is backed by the industry's number one worldwide service team.

Today we can offer adaptability to all different configurations of power distribution around the world. The HP 2300/1100L's new power supply allows to switch select between four voltage ranges.

Flexibility is a distinctive feature of this product. Whether your system is a mainframe, mini or a PC; stand-alone or networked, the HP 2300/1100L has the right interface to stay on-line. Serial and parallel communications come standard in one interface with two emulations also available. The HP 2300/1100L is no stranger to networks either, as its ability to connect into these environments continues to grow at a steady pace. End users are now able to choose the option that best suits their needs.

Characterized by the highest reliability (MTBF) in the world for Line Impact Printers, the HP 2300/1100L protects your investment. This reliability is proof of Hewlett-Packard's unsurpassed commitment to our customers.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

Specifications:

Standard Character Sets

6 CPI Double High/Wide Roman 8
 10 CPI Roman 8 HS (Draft)
 10 CPI Roman 8 ND (DP)
 10 CPI Roman 8 HD (NLQ)
 10 CPI USASCII HS (Draft)
 12, 15 & 16.7 CPI Roman 8 Compressed
 Bar Codes & U.S. Postnet

Optional and International Character Sets

Line draw / Block / Math	#001
HD Italics Roman 8	#005
12 & 13.3 CPI Roman 8	#009
13.3 & 15 CPI Roman 8	#013
10 CPI USACII Draft & OCR A	#102
10 CPI USACII Draft & OCR B	#103
European Latin I	#104
Katakana 8 DP & NLQ	#106
Cyrillic 8 ECMA 113/86 DP & NLQ	#126
Cyrillic 8 ECMA 113/88 DP & NLQ	#128
Arabic 8 DP & NLQ	#130
Turkish 8 DP & NLQ	#132
Greek 8 DP & NLQ	#134
Hebrew 7 DP & NLQ	#138
Latin 2 ECMA 94 DP and NLQ	#144

For special character sets available contact Response Center.

Note: The standard character sets occupy all the character set sockets available on the Formatter Board. If an optional character set is ordered, one or two standard character sets will be replaced by the optional one.

Graphics Options

Extended Graphics (HP Label Card)	#024
Enhanced Graphics (HP Label Card II)	#400

Throughput

Burst: 22,000 pages per day
 Typical: 190,000 pages per month
 Economical range: 280,000 pages per month

Speed

Draft: 1120 lines per minute (LPM)
 DP: 800 LPM
 Compressed: 700 LPM
 Near Letter Quality: 403/194* LPM
 Double Size: 188 LPM
 Bar code: 39.2 inches per minute IPM
 Normal density raster graphics
 78.3 IPM: 60/70 x 72 DPI
 High density raster graphics
 19.6 IPM: 120/140 x 144 DPI
 Paper slew: 15 inches per second

Note: Print speed based on UPPER CASE only, with 132 column width.
 *Depends on character width.

Ribbon Cartridges

Text: rated for 30 million characters (P/N 92162A)
 OCR/Bar coding: rated for 3 million characters (P/N 92162M)

Acoustic Information

Printing Sound Level: 55 dB (A)
 Idling Sound Level: 38 dB (A)
 In accordance with ISO 9296 & 7779

Control Panel

16x2 LCD. Menu-driven operation and configuration.
 National language support for English, German, French, Italian and Spanish.
 Error condition light. Lockout capability

Power Supply

Four positions: 100, 120, 220-230, 240 VAC at 50/60 HZ

Power Consumption

Non-printing: 160 watts
 Printing: 420 watts (typical)

Physical Specifications

Width: 59.5 cm (23.4 in)
 Depth: 83 cm (32.7 in)
 Height: 100 cm (39.4 in)
 Weight: 108 kg (238 lb)

Environmental

Operating Temperature:
 10° to 50°C (50° to 122°F)
 Storage Temperature (Printer):
 -40° to 75°C (-40° to 167°F)
 Storage Temperature (Ribbon):
 10° to 50°C (50° to 122°F)
 Survival Temperature (power on):
 -20° to 65°C (-4° to 149°F)
 Relative Humidity (non-operating):
 5% to 90% (non-condensing)
 Relative Humidity (operating):
 30% to 80% (advised)

Paper Handling

Slew over blank lines.
 Top of form indicator.
 Maximum paper length with sound enclosure: 12 inches

Paper Specifications

Single part: 57 to 380 gr/sq meter (15 to 100 lb).
 Multiple part with carbon: up to six forms, 12-pound first to fifth part. Sixth part any weight as long as pack thickness does not exceed 0.61 mm (0.024"). Multiple part without carbon: up to 4 parts.
Note: Due to variations in manufacturing processes, quality, composition of forms, and varying environmental conditions (humidity), HP cannot guarantee satisfactory performance with all paper and forms. Therefore all special paper and forms, carbonless forms, card stock, recycled paper and labels, should be tested for satisfactory feeding, registration, and print quality prior to purchase.

Maintenance

Mean Time To Repair: 60 minutes
 Mean Time Between Failures:
 1.25 years/10,950 elapsed hours

Ordering Information

Part Number: C2356A
 1100 LPM Line Impact Printer

Please contact your local HP Sales office for pricing and availability. For the number of a Hewlett-Packard office near you call toll-free: 1-800-752-0900 U.S.A. only.

Technical information in this document is subject to change without notice.

Re: 5091-5190E LIDM Printers Family Brochure

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 Printed in Mexico 10/92
 5091-6028E

INTERFACE	OPTION #	PROTOCOLS SUPPORTED	EMULATION MODES
HPIB	#1A8	PCLII	
Centronics	#1AA*	PCLII	
Serial RS-232C	#1CW*	PCLII	
Serial RS-422A	#1C8*	PCLII	
Multiple I/O - RS-232C - Centronics - TCP/IP Expandable	#1AX***	PCLII, HEXDUMP	Printronix (P-Series) Epson (FX-80)
Multiple I/O - RS-422A - Centronics - TCP/IP Expandable	#ALZ***	PCLII, HEXDUMP	Printronix (P-Series) Epson (FX-80)
TCP/IP** (for HPUX) (Adapter box)	#ALY***		

QMS®Magnum®4256 (HP Label Card II) supported with any interface if Opt. #400 is ordered.

*As soon as Multiple I/Os are released, these boards will be obsoleted.
 **To order TCP/IP #ALY you must also order either option #1AX or #ALZ, plus product C2071S (twisted pair connection) or C2071T (coax connection).
 ***Available Winter 92-93

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