





## Parallel & Serial Interface



### Specifications

#### General Performance

Print Method	24-Pin Impact		
Print Speed	Up to 375 characters per second (cps)		
	<u>Draft</u>	<u>LO</u>	
10 cpi	250 cps	83 cps	
12 cpi	300 cps	100 cps	
15 cpi	375 cps	125 cps	
17 cpi	171 cps	142 cps	
20 cpi	200 cps	166 cps	
Paper Feed Speed	<u>Paper Eject</u>	<u>Line Feed (6 LPI)</u>	
	10"/sec.	67.835 ms.	
Print Direction	User-selectable Bi-directional or Uni-directional Logic Seeking Technology		
Characters per Line (cpl)	Up to 8-inch print line		
10 cpi	80 cpl		
12 cpi	96 cpl		
15cpi	120 cpl		
17 cpi	137 cpl		
20 cpi	160 cpl		
PS	Variable		

#### Front and Typefaces

Resident Fonts	Draft & 6 Letter Quality LQ Fonts: Roman, OCR B, Sanserif, Courier, Prestige and Orator		
Bar-codes	8 Bar-codes EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128 and Postnet		
Downloadable Fonts	Up to 256 characters		
Bitmapped Font	<u>Draft</u>	<u>LQ</u>	
Character Matrix	10 cpi	24 x 9	24 x 31
	12 cpi	24 x 9	24 x 27
Bit Image Graphics	Up to 360 x 360 dots per inch (DPI)		
Character Sets	Standard ASCII, Epson character set and IBM special character set		
Code Pages	37 code pages		
	#437 USA	#850 Multi-lingua	#860 Portuguese
	#861 Icelandic	#863 Canadian French	#865 Nordic
	#866 Russian	#3840 IBM-Russian	#3841 Gost
	#3843 Polish	#3844 CS2	#3845 Hungarian
	#3846 Turkish	#3847 Brazil-ABNT	#3848 Brazil-ABICOMP
	#852 Latin-2	#1001 Arabic	#737 Greek
	#851 Greek	#869 Greek	#928 Greek
	#2001 Lithuanian-KBL	#772 Lithuanian	#774 Lithuanian
	#3001 Estonian-1	#3002 Estonian-2	#3011 Latvian-1
	#3012 Latvian-2	#3021 Bulgarian	#3031 Hebrew
	#3041 Maltese	#3850 Standard KU	#3806 Rajvitee KU
	#3861 Microwiz KU	#3863 STD 988 TIS	#3864 Popular TIS
	#3865 Newsic TIS		
International Character Sets	16 Sets U.S.A., France, Germany, England, Denmark I, Sweden, Italy, Spain I, Japan, Norway, Denmark II, Spain II, Latin America, Korea, Irish and Legal		
Bitmapped Font Enhancements	Up to 8 enhancement modes •Italic •Double-Strike •Underlining •Overlining (IBM Mode) •Emphasized •Super/Subscripts •Double High •Quadruple High		

#### Paper Handling

Paper Feed Methods	Friction feed		
Printable Area	Full page, 8" print line		
Paper Size	Single Sheet:	76.2 - 210.0 mm / 3.0 - 8.3"	Width
		63.5 - 297.0 mm / 2.5 - 11.7"	Length
	Passbook:	101.6 - 152.4 mm / 4.0 - 6.0"	Width
		127.0 - 203.2 mm / 5.0 - 8.0"	Length
	(with cover opened)		
Paper Weight	Single Sheet:	(Single-ply) 52 - 156 g/m <sup>2</sup> / 45 - 135 kg / 14 - 42 lb.	
		(Multi-ply) 40 - 52 g/m <sup>2</sup> / 34 - 45 kg / 11 - 14 lb.	
Paper Thickness	Single Sheet:	(Single-ply) 0.07 - 0.18 mm / 0.0027559" - 0.0070866"	
		(Multi-ply) 0.07 - 0.35 mm / 0.0027559" - 0.0137795"	
	Passbook:	(Total) 2.0 mm max.	
Copies	Up to 5-part forms (original + 4 copies) at multi-part mode		
Special Features	•Auto Head Gap Adjustment •Horizontal Insertion •Straight Paper Path •Auto Skew Sensing •Auto Paper Feeding •Left Edge Sensing		

#### Front Panel Control

The LED display monitors the current status for Print Mode, OCR B, Multi-Part Mode, EDS bank & switch and On-Line.

The 4-button Control Panel controls 11 functions including:

- Print Mode •Paper Eject •Micro Feed •Multi-Part Mode
- Line Feed •On/Off Line •Buffer Clear
- Auto Loading Position Change •Dot Adjustment
- Hex Dump •EDS mode

The Electronic Dip Switch (EDS) mode controls 22 functions including:

- Emulation •Character Table •RAM Usage
- Paper Out Detector •Graphics Direction •Line Spacing
- Print Mode •Pitch •Page Length •Code Page
- International Character Set •LQ Font •Top/Bottom Margin
- Eject Direction •Skew Sensor •Auto LF with CR •Zero Style
- Strobe Timing •Head Gap Sensing •Multi-Part Mode
- Waiting Period for Paper Loading •Serial Interface Parameter

#### Compatibility

Emulations: Epson ESC/P and IBM Proprinter XL24E

#### Interface

Standard: Dual I/F (Auto change)  
Parallel Centronics, Detachable type  
Bi-directional IEEE-P1284 nibble mode  
Serial RS-232 Connector: EIA 25 pin (D-SUB 25)  
Optional Serial I/F Unit (IS-NP192)  
RS-232 Connector: EIA 25 pin (D-SUB 25)

#### Memory

Up to 128 KB

#### Ribbon

Black Fabric Cartridge Ribbon (P24)  
Black Fabric Ribbon Refill (P24 REFILL)

#### Acoustic Noise

57 dB

#### Reliability

8,000 hours Mean Time Between Failure (MTBF)  
Print head life: 200 million strokes per pin in Normal Mode

#### Power

220 VAC, 50/60 Hz

#### Size

Dimensions: 410mm (W) x 320mm (D) x 194.5mm" (H)  
16.1" (W) x 12.6" (D) x 7.66" (H)  
Weight: 8.6 Kg / 18.94 Lb

•Specifications are subject to change without notice.

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•IBM and IBM Proprinter XL24E are registered trademarks of International Business Machine Corp.

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