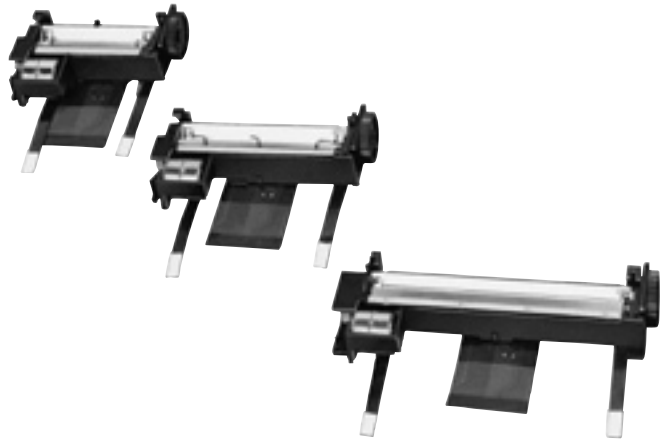


Line Thermal Printer Unit

Type : **EPL1600**

This unit is a compact line thermal printer that can be driven by batteries. Three types are available : 58mm-, 80mm-, and 112mm paper width types. New types of straight paper-path are available in addition to our conventional types of curl paper-path.



■ Features

- Two kinds are prepared as a path course of paper (Curl path type, Straight path type)
- Option (Interface circuit, CPU, KANJI ROM)

■ Applications

- Data communication peripherals
- Handy instrument
- POS peripherals
- Medical, Measurement

■ Specifications

		EPL1601S2(V)	EPL1602S3(V)	EPL1603S4(V)
Resolution		8 dots/mm		
Total number of dots		384 dots/mm	576 dots/mm	832 dots/mm
Printing speed		450 dot-lines/s [max.] (56 mm/s)	400 dot-lines/s [max.] (50 mm/s)	
Paper width		58 mm	80 mm	112 mm
Number of colums / line		24 24 dots×16 dots characters	36 24 dots×16 dots characters	52 24 dots×16 dots characters
Life		5×10 ⁷ pulses, 50km		
Operating voltage	Head, Motor	4.2 V dc to 8.5 V dc (Li-ion, Ni-MH, Ni-Cd)		
	Logic	5 V dc ± 0.25 V dc		
Current	Head	3.4 A [max.] (at 7.2 V, 64 dots coloring)		
	Motor	2.4 A [max.] (at 7.2 V)		
Mass (typ.)		85 g	105 g	125 g
Dimensions (W×D×H)		78.5 mm×51.2 mm×20 mm	101 mm×52 mm×20 mm	147 mm×54 mm×20 mm

(V) : Straight path type

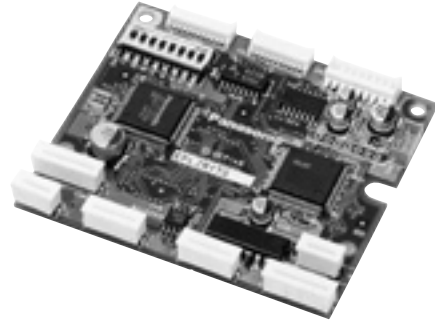
Control Circuit for Line Thermal Printer Unit

Type : **EPLR1600**

This control circuit is designed to perform the most suitable control for EPL1600 series line thermal printer unit.

Basically, this control circuit has the following functions.

- 1) To control the printer by interpreting commands and character data transferred from the host computer.
- 2) To print the built-in test patterns.



■ Features

- This interface is subject to the simplified centronics and simplified RS-232C
- 728 types of fonts as 8 dots/mm resolution are built-in
- High-speed and high-definition printing is realized by the thermal head energy control such as temperature correction and voltage correction
- KANJI ROM interface is included (KANJI ROM is a optional parts)
- Extended external memory interface is included. (Stamp, Download character)
- Barcode printing : UPC, JAN, EAN, CODE39, ITF, NW7
- Auto status response function is included

■ Specifications

		EPLR1601(J)	
		Specifications	Remarks
Adjusted printer		EPL1601S2(V), EPL1602S3(V), EPL1603S4(V)	
Character types		Extended graphics character set KATAKANA character set International character set	
Character size		ANK : 24 dots(H)×16 dots(W) ANK : 16 dots(H)× 8 dots(W) KANJI : 24 dots(H)×24 dots(W) KANJI : 16 dots(H)×16 dots(W)	KANJI characters are included in KANJI ROM as an optional parts.
Input/Output method		Parallel (simplified centronics) Serial (simplified RS-232C, CMOS level)	
Space between lines		0 to 100 dot-lines : available to change with command	Initial value : 8
Space between characters		0,8,16,24 dots : available to change with command	Initial value : 0
Number of command		67	
Operating voltage	Logic	5 V dc ± 0.25 V dc	
	Printer	It is based on an adjusted printer	
Dimensions (WxDxH)		80 mm×70 mm×14 mm	

(J) : The product which mounted KANJI ROM