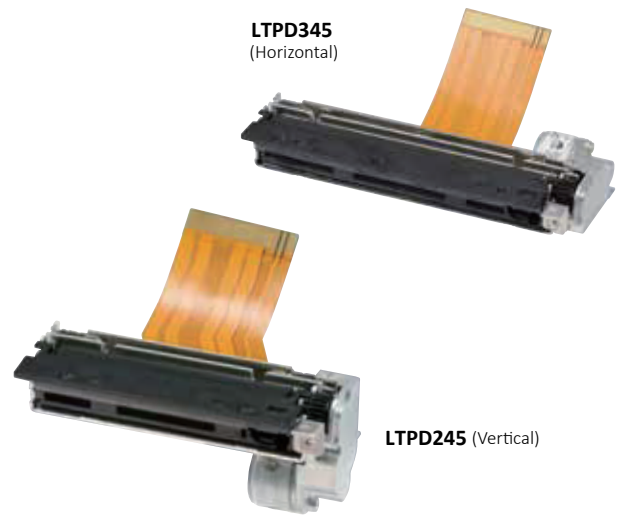


## Thermal Printer Mechanism

# LTPD245/345



- High performance in compact design
- Max. printing speed (LTPD245): 100mm/sec
- Platen latch function
- Label printing \*Under specific conditions only.



Model		LTPD245	LTPD345
Printing	Method	Thermal line dot printing	
	Number of dots/line	384	576
	Resolution (dots/mm)	8	
	Paper width (mm)	58 <sup>+0</sup> <sub>-1</sub>	80 <sup>+0</sup> <sub>-1</sub>
	Printing width (mm)	48	72
	Speed (mm/sec) max	100	80
Paper path		Curved	
Detection	Head temperature	By thermistor	
	Platen position	By mechanical switch	
	Out of paper	By photo interrupter	
Power supply (V)	Operation voltage (V <sub>dd</sub> )	2.7 to 3.6 / 4.75 to 5.25	
	Operation voltage (V <sub>p</sub> )	4.75 to 9.5	
Peak current (A)	Head	3.66 (9.5V / 64dots) / 5.49 (9.5V / 96dots)	3.60 (9.5V / 64dots) / 5.40 (9.5V / 96dots)
	Motor	0.6	
Service Life	Pulse activation (pulse)	100 million	
	Abrasion resistance (km)	50 <sup>*1</sup>	
Operating temperature (°C)		-10 to 50 <sup>*1 *3</sup>	
Dimensions (W×D×H mm)	Horizontal	69.0 × 30.0 × 15.0 <sup>*2</sup>	91.0 × 30.0 × 15.0 <sup>*2</sup>
	Vertical	69.0 × 15.0 × 30.0 <sup>*2</sup>	91.0 × 15.0 × 30.0 <sup>*2</sup>
Mass (g)		Approx. 40	

\*1 Use recommended thermal papers. \*2 Excluding protrusion. \*3 -30°C to 70°C. Supported by designated conditions only.

## Interface

Model	IFD501-01UK	IFD501-01SK
CPU	PTD50P01	
Thermal printer	LTPD245, LTPD345, CAPD245, CAPD345	
Operating voltage (V)	V <sub>p</sub> : 4.75 to 9.5	
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24	
Character type	Extended graphics character set, Katakana character set 1, Katakana character set 2, Codepage 1252, User page, Downloaded character, Optional font, JIS 1st and 2nd level kanji, User-defined character	
Communication interface	USB (2.0)	Serial (RS-232C)
Dimensions (W×D×H mm)	69.0 × 50.0 × 14.0	
Software <sup>*4</sup>	Printer Driver/SDK, Linux® CUPS Filter/SDK	

\*4 Please see official homepage "www.sii-ps.com" for details.

## CPU

Model	PTD50P01
Thermal printer	LTPD245, LTPD345, CAPD245, CAPD345
Package form	120pin QFP
Operating voltage (V)	V <sub>p</sub> : 4.75 to 9.5, V <sub>cc</sub> : 3.0 to 3.6
Input frequency (MHz)	12 ± 0.01%
Configuration	C-MOS LSI
Communication interface	Parallel, Serial, USB
Character type	Extended graphics character set, Other characters is available with CGs <sup>*5</sup> or external ROM
Character matrix (H×W dots)	16 dots characters: 16 × 8, 16 × 16 24 dots characters: 24 × 12, 24 × 24
Dimensions (W×D×H mm)	16.0 × 16.0 × 1.7
Software <sup>*6</sup>	Printer Driver/SDK, Linux® CUPS Filter/SDK

\*5 CG ROM: Japanese \*6 Please see official homepage "www.sii-ps.com" for details.

Official site <http://www.sih.com.hk/>



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