

# LTP Series

## SAM1245 PRINTER

The SAM1245 is the first mechanism with an integrated interface. SAM1245 presents a handy "plug-in" solution especially for small and medium markets of today's portable 5V applications. In many environments such as measuring, analyzing, POS, communication and data terminal equipment, the printer is perfectly applicable as a semi-complete, high quality product at reasonable costs. Since SAM1245 can also be battery driven, it can easily be mounted onto a portable device such as a hand held terminal. In addition, autocutters with full-cut or partial-cut are available for this new mechanism.

- Integrated interface for multiple "plug-in" solutions (serial port CMOS level)
- High resolution printing (8 dots/mm)
- High speed, low voltage printing (60mm/s @ 8.5V)
- Battery operation of 4 to 6 cells Ni-MH / Ni-Cd batteries or 2 cells of lithium-ion batteries for hand-held applications
- Options of Alphanumeric and Kanji character sets and 24-dot (HxW:24x12) or 16-dot (HxW:16x8) standard size characters
- Automatic paper loading via paper detector
- Easy thermal head cleaning by head-up lever
- Low noise thermal line dot printing
- Full-cut and partial-cut autocutter available



SAM1245

Model	SAM1245	
Printing	Method	Thermal line dot system
	No. of dots/line	384
	Resolution	8 dots/mm
	Width (mm)	48
	Speed (mm/s) <sup>1</sup>	60 Max.
	No. of print columns	24-dot standard size character font: 24 digits (4-dot space between right characters)
	Character size (HxW)	24-dot standard size character: 24x12 dots 16-dot standard size character: 16x8 dots
Character set	Extended graphics character set Alphanumeric and Kana character set <sup>2</sup> Kanji level I and II <sup>3</sup>	
Data input format	Serial (CMOS level)	
Input buffer	252 byte	
Dimensions (WxDxH) mm <sup>3</sup>	81.3x39.5x30.0 w/o ACU / 91.0x54.2x40.25 w/ ACU	
Weight (g)	92 w/o ACU / 150 w/ ACU	
FCC	VCCI class A, CE, FCC class A	
Power Supply	Vcc	5.0V ±10%
	Icc	typical 40 mA
	Vp	4.2V - 8.5V
	Ip	2.8A @ 8V 64 dots
Service life	Pulse activation	min. 100 million pulses (12.5% print ratio)
	Abrasion resistance	50 km or more
Operating temperature (°C)	0 to 50	
Relative humidity	30 to 80% RH (noncondensation)	
Paper	Width	58 +0/-1
	Thickness (µm)	75
Auto Cutter	Paper cut condition	Full / Partial
	Paper cut method	Circular

<sup>1</sup> Under condition: 25 °C, within dynamic divided 64 dot, Vp=8.5V, 24 dot standard character, 16 dot line space between characters, 4 dot space between characters  
<sup>2</sup> Available only for the printer with Kanji ROM  
<sup>3</sup> Dimensions exclude the mounting plate