



Seiko Instruments

Thermal Printer Division

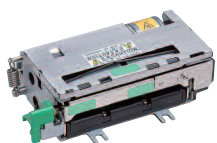
# CAP9000 series and LTP9000 series 24V **Print** Mechanisms

## CAP9000 Series and LTP9000 series

Outdoor printing applications demand rugged technology for unforgiving environments. The innovative CAP9000 series and LTP9000 series (without cutter) answer this challenge with best-in-class, durable, high-performance, compact designs, supporting 2" and 3" print widths. These dynamic 24-volt mechanisms are ideal for self-service applications including kiosks and ATMs where space is at a premium and reliability is a must. Curved and straight paper path options provide added design flexibility. And, they can accommodate very large paper rolls and a range of paper thicknesses, from receipts to tickets.



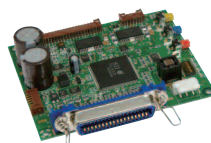
- High speed printing (up to 250 mm/sec)
- Rugged design (min. 150 km print life)
- Small footprint
- Extreme temperature support (-20° to 60°C)
- Ideal for self-service applications



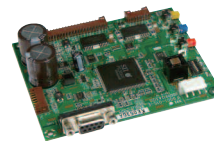
CAP9247



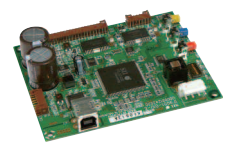
CAP9347



IF9001-01P



IF9001-01S



IF9001-01U



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# CAP 9000 series 24V **Print** Mechanisms

## Product Specifications

Model	CAP9247	CAP9347	LTP9247	LTP9347
	Method Thermal line dot printing			
	448	640	448	640
	Resolution(dots/mm) 8			
Printing	58 <sup>+0.1</sup> / 60 <sup>+0.1</sup>	80 <sup>+0.1</sup> / 82.55 <sup>+0.1</sup>	58 <sup>+0.1</sup> / 60 <sup>+0.1</sup>	80 <sup>+0.1</sup> / 82.55 <sup>+0.1</sup>
	54 / 56	76 / 80	54 / 56	76 / 80
	Speed (max mm/sec) 250			
	Paper path Curved / Straight			
Sensors	Head temperature By thermistor			
	Out of paper detection By photo interrupter			
	Mark position detection By photo interrupter			
	Platen position detection By mechanical switch			
	Cutter position detection By mechanical switch			
Power supply (V)	Operating Voltage (Vdd) 4.75 to 5.25			
	Operating Voltage (Vp) 21.6 to 26.4			
Peak current (A)	Head 5.9 (26.4V / 128 dots)			
	Motor 1.0			
Cutting	Method Slide type			
	Paper thickness (μm) 57 to 155*			
	Cutting type Full cut / Partial cut (Leave center point)			
	Operating time (max sec/cycle) 2			
	Cutting pitch (min mm) 10			
	Cut frequency (max cuts/min) 30			
	Pulse activation 150 million			
Service life	Abrasion resistance (km) 150*			
	Auto-cutter (cuts) 1 million			
Operating temperature (°C) -20 to 60				
Dimensions (W x D x H mm) 89.5 x 50.0 x 30.0** 112.0 x 50.0 x 30.0** 88.8 x 50.0 x 29.7** 111.25 x 50.0 x 29.7**				
Mass(g) Approx.240 Approx.290 Approx.150 Approx.180				

\*Use recommended thermal papers \*\*Excluding protrusion

## Interface Board

Model	IF9001-01U	IF9001-01S	IF9001-01P
CPU	IF9001 only		
Thermal printer	CAP9247, CAP9347		
Operating voltage (V)	Vp: 21.6 to 26.4		
Character matrix (H x W dots)	16 dot characters : 16 x 8, 16 x 16		
	24 dot characters : 24 x 12, 24 x 24		
Character type	Optional font	Yes	Yes
	Downloaded character	Yes	Yes
	User-defined character	Yes	Yes
	Extend graphics character set	Yes	Yes
	Katakana character set	Yes	Yes
JIS 1&2 level kanji	Yes	Yes	
Interface	USB	Serial (RS-232C)	Parallel
Dimensions (W x D x H mm) 108.0 x 90.0 x 28.0			