



Seiko Instruments

Thermal Printer Division

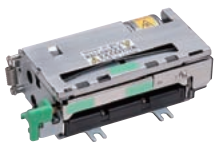
CAP9000 series and LTP9000 series 24V **Print** Mechanisms

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 2-4" 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



CAP9447



IF9001-01P



IF9001-01S



IF9001-01U



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CAP 9000 series 24V **Print** Mechanisms

Product Specifications

Model	CAP9247	CAP9347	CAP9447	LTP9247	LTP9347	LTP9447
	Method					
	Thermal line dot printing					
	Number of dots/line					
	448	640	832	448	640	832
	Resolution(dots/mm)					
	8					
Printing	Paper width (mm)					
	58 ⁺⁰⁻¹ / 60 ⁺⁰⁻¹	80 ⁺⁰⁻¹ / 82.55 ⁺⁰⁻¹	112 ⁺⁰⁻¹	58 ⁺⁰⁻¹ / 60 ⁺⁰⁻¹	80 ⁺⁰⁻¹ / 82.55 ⁺⁰⁻¹	112 ⁺⁰⁻¹
	Printing width (mm)					
	54 / 56	76 / 80	104	54 / 56	76 / 80	104
	Speed (max mm/sec)					
	250					
	Paper path					
	Curved / Straight					
	By thermistor					
Sensors	Head temperature					
	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					
	57 to 155*					
	Paper thickness (μm)					
	Full cut / Partial cut (Leave center point)					
	Cutting type					
	Operating time (max sec/cycle)					
	2					
	Cutting pitch (min mm)					
	10					
	Cut frequency (max cuts/min)					
	30					
Service life	Pulse activation					
	150 million					
	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**	140.75 x 59.3 x 32.0**	88.8 x 50.0 x 29.7**	111.25 x 50.0 x 29.7**	140.75 x 57.5 x 29.7**
Mass(g)	Approx.240	Approx.290	Approx.390	Approx.150	Approx.180	Approx.240

*Use recommended thermal papers **Excluding protrusion

Interface Board

Model	IF9001-01U	IF9001-01S	IF9001-01P
CPU	IF9001 only		
Thermal printer	CAP9247, CAP9347, CAP9447		
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	Yes
Interface	USB	Serial (RS-232C)	Parallel
Dimensions (W x D x H mm)	108.0 x 90.0 x 28.0		