Easy Paper Operation Mechanism
Loading Mechanism

24V

Thermal Printer Mechanism

CAPM Series

POS/ECR | Measuring Instrument | KIOSK System | Ticket Printer

- Max. printing speed: 300mm/sec
- Build in auto paper cutter
- Head open design for easy paper operation
- Heavy-duty : 200km, 2mil. cuts
- Wide operating temperature : -20°C to 60°
- Various drivers

CAPM347

Easy Paper Operation Model

Model		CAPM347			
		Easy paper operation model		Loading model	
	Matched thermal paper	Regular thermal paper	Thick thermal paper	Regular thermal paper	Thick thermal paper
Printing	Method	Thermal line dot printing			
	Number of dots/line	640			
	Resolution (dots/mm)	8			
	Paper width (mm)	58^{+0}_{-1} / 60^{+0}_{-1} / 80^{+0}_{-1} / 83^{+0}_{-1}			
	Printing width (mm)	54 / 56 / 72 / 80			
	Speed (mm/sec) max	300*1	280*1	300*1	280*1
Detection	Head temperature	By thermistor			
	Head position	By mechanical switch			
	Out of paper	By photo interrupter			
	Mark	By photo interrupter *1			
	Cutter home position	By photo interrupter			
Power supply(V)	Operation voltage (Vdd)	2.7 to 3.6 / 4.75 to 5.25			
	Operation voltage (Vp)	21.6 to 26.4			
Peak current(A)	Head / Motor / Cutter	5.6 (26.4V/144dots) / 1.2 / 1.1			
Auto Cutter	Method	Slide type			
	Paper thickness (μm)*1	54 to 90*2	100 to 150*2	54 to 90*2	100 to 150*2
	Cutting type	Full cut / Partial cut (Leave center point)			
Service life	Pulse activation (pulse)	200 million	100 million	200 million	100 million
	Abrasion resistance (km)*1	200*2	100*2	200*2	100*2
	Paper cutting (cut)	2,000,000*2	1,000,000*2	2,000,000*2	1,000,000*2
Operating temperature (°C)		-20 to 60*1	0 to 50*1	-20 to 60*1	0 to 50*1
Dimensions (WxDxH mm)		110.0 × 61.0 × 53.4		110.0 × 61.0 × 55.9	
Mass (g)		Approx. 500			
Driver		Windows®XP/Vista/7(32bit/64bit)、OPOS(XP)、Linux			

*1 Under specified condition *2 Use recommended thermal papers
Windows® is the registered trademark of Microsoft Corporation (USA).

Interface

Model	IFM201-01UK	IFM201-01SK
CPU	PTM20P01	
Thermal printer	CAPM347	
Operating voltage (V)	Vp:21.6 to 26.4	
Character matrix (H x W dots)	16 dots characters : 16 x 8, 16 x 16 24 dots characters : 24 x 12, 24 x 24	
Character type	Extended graphics character set, Katakana character set, Codepage (437, 850, 852, 858 and 1252), JIS 1st and 2nd level Kanji, NEC special characters, NEC selection of IBM extensions, IBM extensions, Downloaded character, User-defined character, Optional font	
Communication interface	USB (2.0)	Serial (RS-232C)
Dimensions (WxDxHmm)	60.0 x 80.0 x 14.0	

CPU

Model	PTM20P01
Thermal printer	CAPM347
Package form	144pin QFP
Operating voltage (V)	Vp:21.6 to 26.4, Vdd: 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*4 or external ROM
Character matrix (H x W dots)	16dots characters : 16 x 8, 16 x 16 24dots characters : 24 x 12, 24 x 24
Dimensions (W x D x H mm)	22.0 x 22.0 x 1.7

*4 CG ROM: Japanese

Loading Model

Specifications are subject to change without notice.

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