



PRINTER enables two-way thermal printing by mobile head.

The design of the mark: matrix 8 × 8 points. Print Speed: 0.75 line / sec.

Depending on the version, PRINTER can be equipped with real time clock, statistic functions or internal battery (outdoor operation).

Model	PRINTER-1/RG	PRINTER-1/Z/RG	PRINTER-1/RG Portable	PRINTER-1/Z/RG Portable	PRINTER-SQS
Description	base functions, (main current supply)	clock of real time, (main current supply)	base functions, (battery power and main current supply)	clock of real time, (battery power and main current supply)	date, time and statistic functions, (main current supply)
Print	Dual direction thermal print with moveable 8-point head, character construction: 8 x 8 point matrix, print speed: 0,75 line/s, quantity of signs a line: 40, 80				
Set of characters	One from below mentioned: IBM set 2, Mazovia, DHN, Latin-2 PC, Cirylics, Latin-2 ISO				
Thermal paper	Roll: width 112 mm, max diameter 42 mm, paper length 20 m, marking: TF 50KS-E2C				
Power supply	8,5V - 14V DC or 7V - 10V AC 50Hz, power consumption: 3W - 15W (max.), Power connection: type Jack 2.1, external power adapter: 220V / 9V AC 1,5A 50 Hz or battery (portable version)				
Interface	One from below mentioned: RS232C, RS242 (TTL), RS422A (RS485), power loop 20mA (CL), interface connection: 5 pin type DIN				
Transmission parameters	Speed of transmission: 1200, 2400, 4800, 9600 bod (other for social order.), transmission protocol: machine with DTR, Data format: 8 or 7 bytes, with or without parity control, parity: even or odd				
Durability	MTBF: 5000 hours, MCBF: 500 000 lines				
Working conditions	Working temperature: 5°C to 35°C, relative humidity: 10% - 80% (no condensation)				
Weight , dimensions	165 x 140 x 50 mm, 0,45 kg (without paper roll)				
Printer marking with set of characters	PRINTER IBM set 2, PRINTER 1 WIN 1250, PRINTER 2 DHN, PRINTER 3 Latin - 2 PC, PRINTER 4 Cirylica, PRINTER 5 Latin - 2 ISO				
Components	printer, external power adapter, interface plug or cable (according to order), roll of thermal paper, user manual, warranty and external power adapter (portable version)				

Model	TM-U200A	TM-U200B	TM-U200D
Description	with paper roll reeler and paper cutter	with paper cutter	basic version
Means of print	9-needle		
Fonts	7 × 9 / 9 × 9 points		
Quantity of characters in one line	paper 76.0 mm: 42/40/35/33 cpl 69.5 mm: 40/36/32/30 cpl 57.5 mm: 33/30/27/25 cpl		
Character dimensions (mm)	1.2 / 1.6 / 1.7 / 1.9 / 2.0(width) x 3.1(height)		
Quantity of characters per inch	17.8 / 16 / 14.5 / 13.3		
Interfaces	RS-232 or parallel or USB or Ethernet drive for cassette drawers, power adapter connection		

Model	TM-U200A	TM-U200B	TM-U200D
Input buffer	1 kB or 40 bytes		
Memory for logo	128 kB		
User defined memory	8 kB		
Print speed	6 lines / second (30 characters / line)		
Paper width	76.0 mm ±0.5 69.5 mm ±0.5 57.5 mm ±0.5		
Paper roll diameter	maximally 83 mm		
Coloring tape	ERC-38 purple, black or red-black		
Paper cutter	Cutter type "full cut" or "one-point-left cut" built in models type A and B		
Power consumption	Stand-by: 2.2 W while printing: 31 W		
Power adapter	included (compatible with PS-180)		
Cassette drawers	drive for two cassette drawers		
Durability	MTBF: 180 000 hours MCBF: 18 million lines cutter: 800 000 cuts		
Dimensions	160x286x158mm	160x248x139mm	160x248x139mm
Weight	2.7Kg	2.5Kg	2.3Kg
Colors	white: EPSON cool white or dark grey: EPSON dark grey		
Standard functions	paper reeler (type A) paper cutter (type A and B) easy paper exchange type "Drop-in" built in function Auto Status Back paper end sensor, paper end sensor, power adapter		
Options	wall hanger (for type B) customer display DM-D (connected through interface UB-S09)		
Standard EMI	sign CE, EN55022 class B, EN55024		
Safety standards	EN60950		

Model	CLP-521	CLP-621	CLP-631	CL-S700
Print	thermal	thermal, thermo-transfer	thermal, thermo-transfer	thermal, thermo-transfer
Head	200 dpi	200 dpi	300 dpi	200 dpi
Print speed	100mm/sec	100mm/sec	175mm/sec	250mm/sec
Maximal print width	104mm	104mm	104mm	104mm
Maximal print length	812mm	812mm	812mm	406mm
Minimal print length	12.7mm	12.7mm	12.7mm	12.7mm
Label width	19 - 118mm	19 - 118mm	12.5 - 118mm	25.4 - 118mm
Material thickness	0.0635 ÷ 0.254mm	0.0635 ÷ 0.254mm	0.0635 ÷ 0.254mm	0.0635 ÷ 0.254mm
Material kind	labels, cartoons, continuous media, folder			
Material recognition	overexposure optical sensor and light reflection from material		overexposure optical sensor and light reflection from material, optional moveable optical sensor	
Fonts	8 vector fonts, 1 half-tone screen		1 vector, 8 half-tone screen, True Type sensors in standard	
Bar codes	All standard types including: EAN-8, EAN-13, UPC-A, UPC-E, UCC/EAN 128, 3 with 9, 2 with 5, code 93, 128, Coderbar, Telepen, Zip and dual dimensions: PDF-417, UPS Maxicode, Posnet			
Communication interface	-	-	Parallel (Centronics) Series RS232C	
Control panel	-	-	4 buttons, 4 diodes LED	3 buttons, 2 diodes LED, display LCD
Input buffer	-	-	-	12KB
Memory	-	-	8MB	16MB
Memory extension	-	-	Flash 2MB memory cards	Flash 4MB memory cards
MTBF (average operation time between defects)	-	-	-	printer 1000km, printing head 30km
Dimensions (W×H×L)	-	-	224×288×270mm	255×480×253mm
Mass	-	-	4.5Kg	13.5Kg
Options	-	-	Paper cutter, divider, Ethernet, WLAN	Paper cutter, divider, Flash memory card, network input, real time clock