

EPM 203 Series

Ultra compact bucket printer

www.aps-printers.com

Paper



58 mm



RoHS

Specifications	EPM203-LV	EPM203-HS	EPM203-MRS	EPM203A-HRS
Print method	Thermal	Thermal	Thermal	Thermal
Number of dots	384	384	384	384
Resolution (dots/mm)	8	8	8	8
Printing width (mm)	48	48	48	48
Paper width (mm)	58	58	58	58
Max. paper thickness (µm)	80	80	80	80
Paper loading	Easy loading	Easy loading	Easy loading	Easy loading
Printing speed (mm/s)	75	95	>50	> 90
Paper detection	Opto sensor	Opto sensor	Opto sensor	Opto sensor
Temperature detection	Thermistor	Thermistor	Thermistor	Thermistor
Voltage range (Logic/Head)	2.7-5.5 V 2.7-9.5 V	2.7-5.5 V 4.5-9.5 V	single 4 to 8.5V	single 4-8.5 V
Dot resistance (Ohm)	123 ± 3%	176 ± 3%	-	-
Energy per dot (mJ)	0.12	0.11	-	-
Stepper motor (Ohm)	Bipolar (12)	Bipolar (12)	-	-
Weight (g)	67	67	80	80
Life/reliability	50 km/100M pulses	50 km/100M pulses	50 km/100M pulses	50 km/100M pulses
Operating temperature (°C)	-5 to 50 non cond.	-5 to 50 non cond.	-5 to 50 non cond.	-5 to 50 non cond.
Operating humidity (%)	20 to 90 non cond.	20 to 90 non cond.	20 to 85 non cond.	20 to 85 non cond.
Dimensions (WxDxH mm)	76.8 x 77.4 x 45	76.8 x 77.4 x 45	76.8 x 77.4 x 45	76.8 x 77.4 x 45
Peak head consumption (A)	-	-	0.6 to 5	1.5A to 5A at 5V
Character set	-	-	3	3
Character size	-	-	8x16, 12x20, 7x16	8x16, 12x20, 7x16
Characters per line (max)	-	-	48	48
Interfaces	-	-	RS232C, TTL, Centronic	RS232C, TTL, USB
Graphics	-	-	5 modes	5 modes
Barcodes	-	-	UPC A-E, EAN 13-8, Code 39, ITF 2/5, Codabar, Code 128 A-B-C	
Drivers	-	-	Windows, Linux	Windows, Linux
Black mark detection	-	-	Y	Y
Zero power mode (sleep mode)	-	-	Y	Y
Auto wake-up on received data	-	-	Y	Y
Functional keyboard	-	-	Y	Y

Features

- 2 inches paper width
- Max. paper roll diameter 32 mm
- Easy loading paper
- Plug and play capability greatly reduces time-to-market
- Very compact size
- Patented easy loading and easy door opening system
- Available also in white and black

Applications

- Automotive
- Data terminal devices
- EFT POS
- ID automation
- Hand held terminals
- Measuring instruments and analysers
- Medical equipment
- Portable printers and terminals

Options

Chip set**



CSM05**



Windows*



Linux Drivers*



GearPRO™



Chinese Font*



Available in white&black



* For MRS/HRS ** Except for MRS