

DOT MATRIX PRINTER MECHANISM

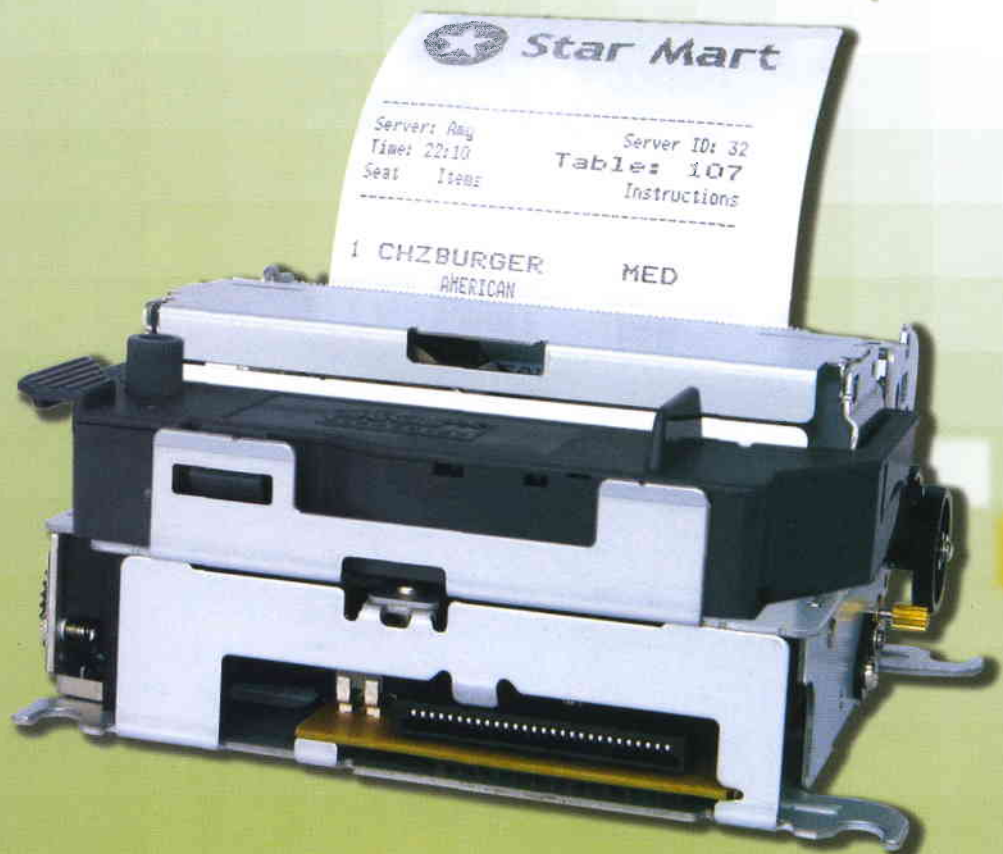
# MP512MDIII

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- High Quality 9-pin mechanism with Graphics Capability
- Enhanced Design capable for Heavy Duty Usage
- Fast Speed up to 4.4 lines / second
- High Reliability - MCBF 9 million lines
- Bi-directional Chinese Character Printing Ready



**Perfect Solution for ECR Applications**

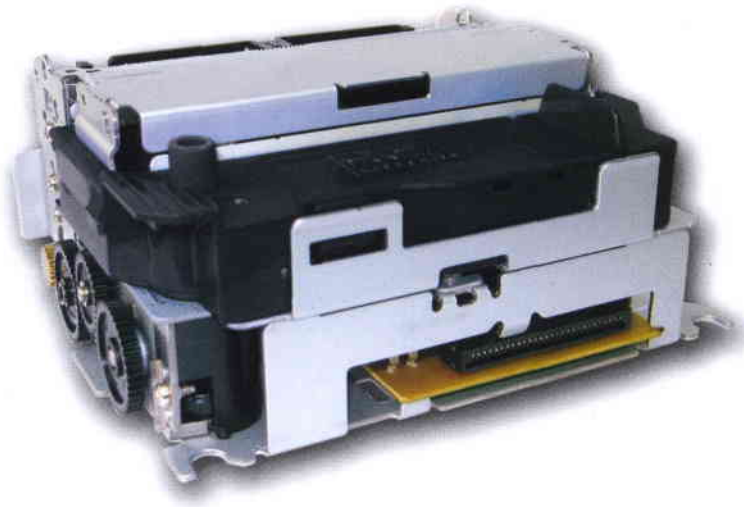


# MP512MDIII **Dot Matrix Printer Mechanism**

One of the fastest, most cost-effective and reliable dot matrix print mechanisms available. The MP512MDIII incorporates black mark and paper end sensors, integrated tear bar, and adjustable paper widths.

The MP512MDIII combines the latest technology in logic seeking printing mechanisms, with its ultra efficient compact design to achieve the extremely fast print speed of over 4.4 lines per second.

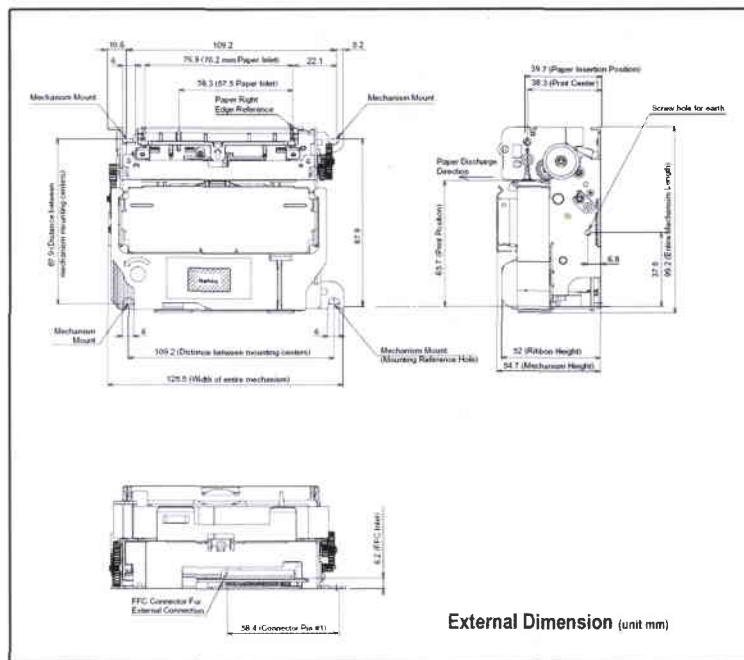
The MP512MDIII targets applications such as Electronic Cash Register (ECR), Data Terminals and Testing equipment. However, with its performance and adaptability, the MP512MDIII series can be used in a wide variety of applications.



## Specifications

Model Name	MP512MDIII-24-A-R	
Printing method	Serial Impact Dot Matrix	
Character Specifications	Font	7x9 (half dot), 5x9
	Column capacity	42 columns (7x 9 half-dot spaces)
	Character size	1.19 mm (W) x 2.42 mm (H)
	Printable area	62.6 mm (76.2 mm paper)
	Number of total dot	210 Dots per line
	Line spacing	Min. 0.176 mm
Print Head	Voltage	DC 24 V ± 2.4 V
	Peak current	Approx. 1.0 A (at 24 V, 364 μs pulse width) Max. 1.1 A (at 26.4 V, 334 μs pulse width)
PF & CR Motor	Type	4 Phase PM Type Bipolar Stepping Motor
	Voltage	DC 24 V ± 10%
	Drive Method	Bipolar Constant Current Drive
Print Speed	Max. 4.4 lps (ANK 42 columns of continuous printing)	
Paper	Type	Roll Paper
	Width	76.2 ± 0.5 mm ; 57.5 ± 0.5 mm
	Diameter	Max. Ø95 mm
	Thickness	0.07 to 0.10 mm
	Copy Capacity	Original and two copies, Max. thickness 0.2 mm
Ribbon Life	RC200B (Black) 1.2 million characters	
Drive Voltage	24 VDC ± 10%	
Reliability	MBCF	9 million lines
	Print head life	100 million characters (at average 11.4 dot/character)
Dimensions *	125.5 mm (W) x 99.2 mm (D) x 54.7 mm (H)	
Weight *	485g	

\* External dimensions and weight do not include the ribbon cassette.



External Dimension (unit mm)



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All specifications are subject to change without notice.