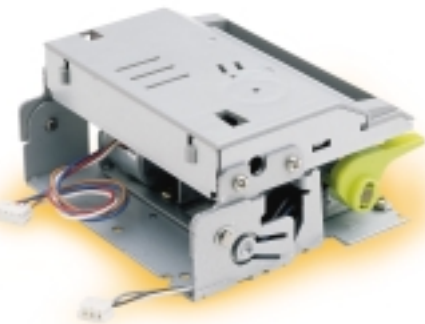


Epson M-T102 Series Printers

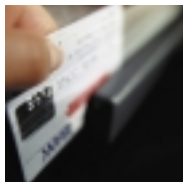


The M-T102 Series is the low-voltage, 58mm paper-width thermal printer line designed for easy integration and reliable printing.

If you're looking for a thermal printer that will work perfectly with your current systems and deliver sound, reliable printing day in and day out, then the Epson M-T102 Series belongs at the top of your list. The printers are ideal for both fixed or mobile applications.

- High speed, up to 50mm/sec. using only 5-7 VDC (optional 12 VDC available)
- Epson BA-T102 serial or parallel controller board
- Long lifetime of 5 million lines
- 58mm paper with print width of 48mm
- 203 dpi x 203 dpi with min. feed pitch of 0.0625mm
- Windows 95 & NT compatible controller board
- Uses paper rolls to 80mm
- Long-life auto-cutter with choice of full or partial cut
- Paper-end, print-head temperature, head-up sensor

The low-voltage M-T102 integrates easily into existing devices such as credit authorization terminals and cash dispensers, delivering Epson reliability and high value.



It fits right in

Epson's M-T102 Series printers are specifically designed for easy integration into existing devices, and quality, dependable printing you can count on, day after day. Text, graphics, and bar codes are printed at an efficient 50mm per second. For cost-effective performance, flexible printing options, and operational security, use the matching ESC/POS controller board BA-T102 with a 16-bit micro-processor and Windows® drivers.

Money-saving efficiency

Epson's M-T102 Series of 58mm printers will save you money without sacrificing the features you need to get results. The controller has a 4Mbit flash memory that allows easy update of the firmware.

Epson M-T102 Series Printers

M-T102 Specifications		M-T101	M-T102	M-T102A
General	Printing speed	50mm/sec. at 7V	50mm/sec. at 7V	50mm/sec. at 7V
	Paper width	57.5 +/- 0.5mm	57.5 +/- 0.5mm	57.5 +/- 0.5mm
	Printing width	48mm	48mm	48mm
	Number of dots	384 dots/line	384 dots/line	384 dots/line
	Dot density	8 dots/mm	8 dots/mm	8 dots/mm
Electrical	Head/motor	5.0-7.5 VDC	5.0-7.5 VDC	5.0-7.5 VDC
	Circuit	5.0 VDC +/- 5%	5.0 VDC +/- 5%	5.0 VDC +/- 5%
	Auto-cutter	n/a	n/a	6 VDC
Sensor	Paper-end sensor	n/a	Reflecting photosensor	Reflecting photosensor
	Print-head temp. sensor	Thermistor	Thermistor	Thermistor
	Head-unload sensor	n/a	Micro-switch	Micro-switch
	Auto-cutter stop position	n/a	n/a	Micro-switch
Paper Handling	Semi-auto loading	NO	OK	OK
	Paper feed force	0.588N (60gf)	0.588N (60gf)	0.588N (60gf)
	Paper hold force	500gf	500gf	500gf
	Max. roll diameter	80mm	80mm	80mm
Mechanical	Width	69.15mm	69.15mm	87mm
	Depth	51.2mm	51.2mm	73.3mm
	Height	20mm	20mm	40.5mm
	Weight	Approx. 85g	Approx. 85g	Approx. 265g
Environmental	Operating temp.	0-50 degrees C	0-50 degrees C	0-50 degrees C
	Operating humidity	10-80%	10-80%	10-85%
Reliability	Mechanism (MCBF)	5 million lines	5 million lines	5 million lines
	Thermal head (LIFE)	50Km/100 million pulses	50Km/100 million pulses	50Km/100 million pulses
	Auto-cutter (LIFE)	n/a	n/a	300,000 cuts

BA-T102 Specifications		
General	FLASH ROM (firmware)	4Mbit, upgradeable via the communication port
	RAM	1Mbit
	CPU	16 Bit, Toshiba TMP 95 series
	Power	6 VDC
	Status	Printer status feedback via communication port
Mechanisms	Supports M-T101, M-T102 and M-T102A	
Status Indicators	Drive for (3) LED's, POWER, ERROR and PAPER OUT on remote display connector	
Switches	Paper feed switch input provided on remote display connector	
Communications Ports	(2) board versions:	
	Serial Flow Control: Parallel	RS-232 asynchronous serial interface, up to 19200 baud rate Hardware: DTR/DSR or CTS/RTS (default), Software: Xon/Xoff IEEE 1284 bi-directional parallel interface, from host to printer, Centronics compatible, printer to host in nibble or byte mode
Option	12 VDC version	
Configuration	Via hardware jumpers and software utility	
Thermal Head Control	Historical control	
Paper Feed	Semi-automatic paper loading or push-button feed	