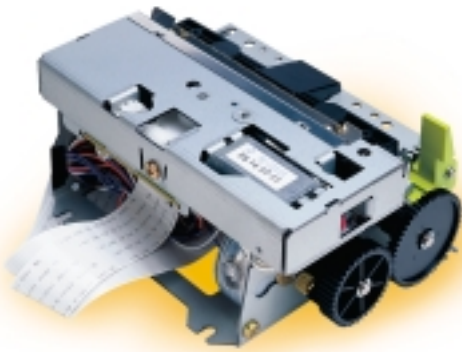


Epson M-T500 Series Printers



- Fastest printer in its class, up to 150mm/sec. under full graphic load
- Epson BA-T500 controller board with both serial & parallel interfaces
- Paper width choices of 58, 60, 80, and 82.5mm
- High-speed drivers for Windows 95/98 and NT 4.0
- Curl or straight paper path for thick roll or card paper
- Long-life auto-cutter with choice of full or partial cut
- Resident bar codes and downloadable graphics for label and ticket printing
- Paper-end, print-head temperature, platen-open, black-mark sensor
- One-hand paper loading and jam-resistant mechanism

The robust M-T500 Series printers provide the speed and durability required for high-transaction, graphical applications such as ATMs, kiosks, and gaming.



Epson's M-T500 Series is the first thermal printer mechanism designed for high-speed graphics printing in the Windows® environment.

If you're searching for a high-speed thermal printer that does it all, then look no further. Epson's M-T500 Series offers the performance, reliability and easy integration you need to get into production quickly and keep your customers satisfied for years to come.

High performance and reliability

Epson's M-T500 Series printers can continuously print text, graphics, and bar codes at 150mm/sec. The matching Epson ESC/POS compatible BA-T500 controller board with 32-bit microprocessor and ultra high-speed parallel port guarantee the highest possible throughput. Incorporating years of industry leading, thermal printer experience, Epson's durable, field-proven design ensures reliable performance, transaction after transaction, year after year.

Easy integration and flexibility

The M-T500 and BA-T500 control board offer an easy solution to designing a printer into your next project. The M-T500 comes complete with extra-length, socketed, connecting cables to ease printer and control board placement. The M-T500 Series offers both curved and straight paper paths for maximum flexibility in orientation and media choice, including labels and tickets. Paper thickness up to 150um

(5.9 mil) and roll diameters to 10 inches fit a wide range of applications. Optional connections for remote status display LED's, sensors, paper feed switch and presenter controls, ensures a solution for every need. Drivers and Windows Status Monitor (API) simplify software tasks in Windows-based systems.

Unlimited creativity and operational security

The matching BA-T500 32-bit controller board offers true plug n' play compatibility and unlimited use of Windows graphics and fonts without sacrificing performance. When used with Epson's ultra-fast Windows drivers and the BA-T500's high-speed bi-directional parallel port, printing begins immediately, even before the complete print message has been received. Epson's exclusive Windows Status Monitor program (API) greatly simplifies application software tasks, especially in remote networks, by automatically monitoring all critical printer functions and interfacing directly with the application.

Epson M-T500 Series Printers

M-T500 Specifications		M-T530A/540A	M-T510A/520A	Notes
General	Printing speed	up to 150mm/sec.	up to 150mm/sec.	
	Paper width (max)	80/82.5mm	58/60mm	
	Paper thickness (curl path)	56 to 90um (2.2-3.5 mils)	56 to 90um (2.2-3.5 mils)	
	Paper thickness (straight path)	56 to 150um (2.2-5.9 mils)	56 to 150um (2.2-5.9 mils)	
	Number of dots	640/576 dots/line	448/432 dots/line	
	Dot density	8 dots/mm	8 dots/mm	
Electrical	Head/motor	24 VDC +/-10%	24 VDC +/-10%	
	Circuit	5 VDC +/-5%	5 VDC +/-5%	
Sensor	Paper-end sensor	Photosensor	Photosensor	
	Print-head temp. sensor	Thermistor	Thermistor	
	Platen-open sensor	Micro-switch	Micro-switch	
	Black-mark sensor	Reflecting photosensor	Reflecting photosensor	Option
	Auto-cut blade position	Micro-switch	Micro-switch	
Paper Handling	Max. roll diameter	10 inches	10 inches	
Mechanical	Width	126.6mm	102.9mm	
	Depth	91.9mm	91.9mm	
	Height	57.5mm	57.5mm	
	Weight	Approx. 550g	Approx. 460g	
Environmental	Operating temperature	0-50 degrees C	0-50 degrees C	
	Operating humidity	10-80%	10-80%	
Reliability	Mechanism (MCBF)	37 million lines	37 million lines	
	Thermal head (LIFE)	100Km/100 million pulses	100Km/100 million pulses	
	Auto-cutter (LIFE)	1.0 million cuts	1.0 million cuts	

BA-T500 Specifications				
General	CPU	32-bit 20MHz Toshiba TMP94 Series		
	Firmware	4 Mbit flash ROM, host or network upgradeable		
	User memory	192K for downloadable logos and special characters		
	Receive buffer	4K		
	Mean current at 24 VDC	M-T510/520 Series	25% print duty - 1.75A	100% print duty - 9.0A (assumes 25% print ratio)
		M-T530/540 Series	25% print duty - 1.50A	100% print duty - 6.5A
		Thermal print head control	Historical control	
	Paper feed	Semi-automatic loading or paper feed switch		
Software Compatibility	Epson industry standard ESC/POS command language or Windows 95/98 and NT 4.0 drivers with exclusive Windows Status Monitor program (API)			
Communications Ports (2)	(1) RS-232 serial interface (4800, 9600, 19200, 38400 bps) - DB-9 connector (2) IEEE-1284 bi-directional parallel interface - Centronics compatible connector Optional USB interface or future interface offering			
External Connections	Power supply input	24 VDC +/-10% (Epson PS-170, w/ CN3 adapter, is sufficient for most applications)		
	Remote display connector	Printer Status LED's, paper feed switch and low paper sensor		
	Options connector	Optional interface and sensor boards		