



Motion Controller TJ1-MC16

URL: <https://www.sxplc.com/motion-controller-tj1-mc16>

Product data sheet

Item		Details		
Model		TJ1-MC16	TJ1-MC04	
Number of axes		16	4 (+1 using TJ1-FL02 unit)	
Number of inverters and I/O modules		8 maximum (Inverters in speed or torque mode)		
Number of MECHATROLINK-II master units		Up to 4 MECHATROLINK-II master units (see below TJ1-ML16/ML04) can be connected		
Cycle time		Selectable 0.5 ms, 1 ms or 2 ms		
Programming language		BASIC-like Motion language		
Multi-tasking		Up to 14 tasks running simultaneously		
Built-in Digital I/O		16 Inputs and 8 Outputs, for general purpose		
Measurement units		User definable		
Available memory for user programs		500KB		
Data storage capacity		Up to 2 MB flash data storage		
Saving program data, motion controller		SRAM with battery backup and Flash-ROM		
Saving program data, personal computer		Trajexia Motion Perfect software manages a backup on the hard disk of the personal computer.		
Communication ports		1 Ethernet port and 2 serial ports		
Firmware update		Via Trajexia software tool		
Ethernet port	Electrical characteristics	Conform to IEEE 802.3 (100BaseT)		
	Connector	RJ45 Ethernet connector		
Serial port	Electrical characteristics	Conform 1 port to RS232C and 1 port to RS485/RS422A (selectable by switch)		
	Connector	SUB-D9 connector (Counterpart included in the package)		
	Synchronization	Start-stop synchronization (asynchronous)		
	Baud rate	1200 / 2400 / 4800 / 9600 / 19200 / 38400 bps		
	Transmission format	Databit Length	7 or 8 bit	
		Stop Bit	1 or 2 bit	
		Parity Bit	Even/Odd/None	
	Transmission mode	Point-to-multipoint (1:N)		
	Transmission protocol	RS-232C (1:1)	Host Link master protocol, Host Link slave protocol, ASCII general-purpose	
		RS-422A (1:N)	Host Link master protocol, Host Link slave protocol, ASCII general-purpose	
		RS-485 (1:N)	ASCII general-purpose	
Galvanic isolation	RS422A port			
Communication buffers	254 bytes			
Flow control	None			
Terminator	Yes, selectable by switch			
Cable length	15 m for RS232 and 500 meter for RS422/485			

