

TM221CE16U

Schneider Electric TM221CE16U - Modicon M221-16IO Logic Controller with Ethernet

BRAND	ORDER CODE / PRODUCT REFERENCE
Schneider Electric	TM221CE16U
PRODUCT FAMILY	CATEGORY
Modicon M221	Logic Controller
SUPPLY BASIS	RECORD IDENTITY
RFQ / on request - no stock claim	Catalog identity matched

PRODUCT DESCRIPTION

The Schneider Electric TM221CE16U is a compact yet powerful Modicon M221 logic controller, engineered for efficient automation in OEM machines and small plant applications. Operating on a 24 V DC supply, this versatile unit features 9 discrete inputs, including 4 fast inputs, alongside 2 analog inputs (0-10 V). Its 7 transistor outputs, with 2 designated as fast outputs, provide reliable control, each rated for 0.5 A at 24 V DC. With a total of 16 discrete I/O, the controller offers significant expansion capabilities, supporting up to 4 local or 11 remote I/O modules. Integrated communication options include Ethernet, USB, and serial links (RS232/RS485), supporting protocols like Modbus TCP and Ethernet/IP, ensuring seamless connectivity within various industrial networks. The TM221CE16U boasts a 256 kB memory for user applications, a real-time clock, and advanced functions such as adjustable PID regulation for up to 14 loops and positioning control for up to two axes. This controller is ideally suited for diverse industrial sectors across Egypt and the Gulf, including water treatment facilities, food and beverage processing, textile manufacturing, oil and gas operations, and building services, where precise and compact control solutions are essential. Contact us today for a quote on the Schneider Electric TM221CE16U and discover how it can optimize your automation processes.

RECORDED SPECIFICATIONS

Product weight	0.626 kg
Memory capacity	256 kB for user application and data RAM with 10000 instructions
Regulation loop	Adjustable PID regulator up to 14 simultaneous loops
Official lifecycle	Current official manufacturer lifecycle evidence
Discrete I/O number	16
Discrete output type	Transistor
Analogue input number	2 at 0...10 V
Discrete input number	9, discrete input 4 fast input conforming to IEC 61131-2 Type 1
Positioning functions	
Discrete output number	7 transistor 2 fast output

ADDITIONAL SPECIFICATIONS

Discrete output current	0.5 A
Discrete output voltage	24 V DC
IP degree of protection	IP20 with protective cover in place
Manufacturer part number	TM221CE16U
[Us] rated supply voltage	24 V DC
Integrated connection type	
Communication port protocol	
Ambient air temperature for operation	-10?55 °C (horizontal installation)
Maximum number of I/O expansion module	4 (local I/O-Architecture), 11 (remote I/O-Architecture)

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.