

TM221CE40U

Schneider Electric TM221CE40U - Modicon M221 Logic Controller 40 I/O Transistor NPN Ethernet

BRAND	ORDER CODE / PRODUCT REFERENCE
Schneider Electric	TM221CE40U
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 Modicon M221 Logic Controller, part number TM221CE40U, is a compact and efficient solution designed for OEM machines and small plant automation. This versatile controller operates on a 24 V DC supply and features a robust set of I/O, including 24 discrete inputs (with 4 fast inputs) and 2 analogue inputs (0-10 V), alongside 16 transistor outputs (with 4 fast outputs) for precise control. With a total of 40 discrete I/O, it offers ample connectivity for various applications. Equipped with Ethernet, USB, and serial (RS232/RS485) communication ports, the Schneider Electric TM221CE40U ensures seamless integration into modern industrial networks, supporting protocols like Modbus TCP/RTU. Its advanced capabilities include up to 14 simultaneous PID loops and 4-axis pulse/direction positioning functions, making it ideal for motion control tasks. This controller finds wide application in critical sectors across Egypt and the Gulf, such as water treatment plants, food and beverage processing, packaging machinery, and textile manufacturing, offering reliable performance in demanding environments. For current pricing and availability, please request a quote.

RECORDED SPECIFICATIONS

Depth	70 mm
Width	160 mm
Height	90 mm
Net weight	0.78 kg
Port Ethernet	10BASE-T/100BASE-TX 1 port with 100 m copper cable
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	40
Discrete output type	Transistor

ADDITIONAL SPECIFICATIONS

Analogue input number	2 at 0...10 V
Discrete input number	24, discrete input 4 fast input conforming to IEC 61131-2 Type 1
Positioning functions	Position PTO 4 axe(s)pulse/direction mode (100 kHz)
Discrete output number	16 transistor 4 fast output
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	TM221CE40U
[Us] rated supply voltage	24 V DC
Integrated connection type	
Communication port protocol	
Maximum power consumption in W	17 W at 24 V (with max number of I/O expansion module)
Ambient air temperature for operation	-10?55 °C (horizontal installation)

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.