

TM221C40U

Schneider Electric TM221C40U - Modicon M221 Logic Controller 40 I/O Transistor NPN

BRAND	ORDER CODE / PRODUCT REFERENCE
Schneider Electric	TM221C40U
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 TM221C40U, is a compact and efficient machine controller designed for OEM machines and small plant automation. This versatile logic controller operates on a 24 V DC supply and features a robust I/O configuration, including 24 discrete inputs (with 4 fast inputs conforming to IEC 61131-2 Type 1) and 2 analogue inputs (0-10 V). For outputs, it provides 16 transistor outputs, 4 of which are fast outputs, capable of 0.5 A at 24 V DC. With a total of 40 discrete I/Os, it supports up to 7 local or 14 remote I/O expansion modules. Key functionalities include 14 adjustable PID regulation loops, 4-axis pulse/direction positioning, and a real-time clock. Connectivity is comprehensive with a USB 2.0 port, an RS485 serial link, and a second RS232/RS485 serial link. Its 256 kB memory for user application and data RAM ensures efficient program execution. This controller is ideal for diverse industrial applications across Egypt and the Gulf, such as water treatment plants, food and beverage processing, textile manufacturing, cement production, and oil and gas facilities. Contact us to request a quote for your project needs.

RECORDED SPECIFICATIONS

Dimensions	90 mm H x 160 mm W x 70 mm D
Product weight	0.63 kg
Realtime clock	With
Memory capacity	256 kB (user application and data RAM)
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
Analogue input number	2 at 0...10 V
Discrete input number	24 (4 fast inputs)

ADDITIONAL SPECIFICATIONS

Positioning functions	Position PTO 4 axe(s)pulse/direction mode (100 kHz)
Discrete output number	16 transistor (4 fast outputs)
IP degree of protection	IP20
Manufacturer part number	TM221C40U
[Us] rated supply voltage	24 V DC
Integrated connection type	USB 2.0, Serial 1 (RS485), Serial 2 (RS232/RS485)
Maximum power consumption in W	4.1 W at 24 V (without I/O expansion module)
Ambient air temperature for operation	-10?55 °C (horizontal installation)
Maximum number of I/O expansion module	7 (local), 14 (remote)

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.