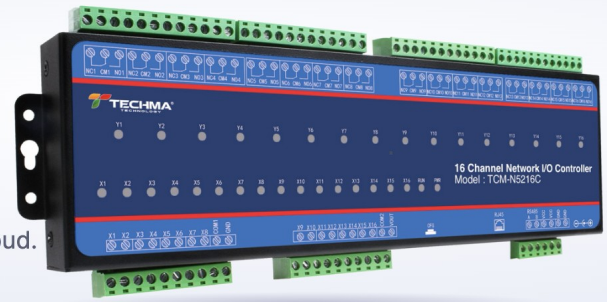
NETWORK I/O RELAY CONTROLLER

TCM-N5216C

16 Channel Network I/O Controller

16 inputs & 16 relay outputs, controlled over LAN, RS485 or cloud.



16 DI	16 DO	Ethernet	RS485	Protocol	Cloud
NPN / PNP	10 A relay	10/100M RJ45	Modbus RTU	URL API · MQTT	App · Web

DESCRIPTION

The TCM-N5216C is an industrial network I/O controller with 16 optically isolated digital inputs and 16 changeover relay outputs rated 10 A, controlled over Ethernet or RS485. It supports URL HTTP API, MQTT, Modbus TCP, Modbus RTU and ASCII, so it connects directly to PLCs, SCADA, building management and security systems, and it can be operated remotely from the cloud platform through a mobile app or web browser. Built-in timers, delay-off, interlock control and transparent serial-server mode cover larger control panels, while the wall or DIN-rail housing and −40 °C to +85 °C rating suit harsh environments.

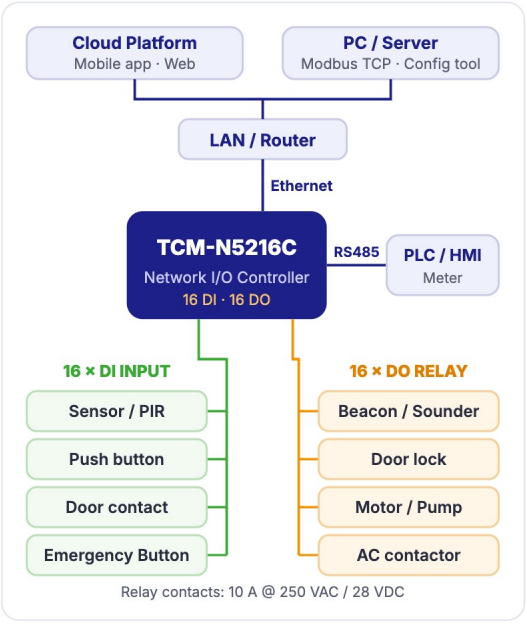
FEATURE

- 16 DI (NPN/PNP) + 16 relay outputs, 10 A
- Ethernet 10/100M and RS485 interfaces
- URL HTTP API, MQTT, Modbus TCP / RTU, ASCII
- Cloud remote control via mobile app & web
- Timers, delay-off and interlock control
- Transparent serial-server mode, virtual COM
- Wall / DIN rail, −40 to +85 °C, EFT/ESD protected

SPECIFICATION

MODEL	TCM-N5216C
Digital Input	16 × DI, NPN / PNP compatible, optically isolated
Relay Output	16 × relay NO/COM/NC, 10 A @ 250 VAC / 28 VDC
Relay Life	≥ 10 M mechanical, 100,000 electrical
Ethernet	1 × RJ45, 10/100 Mbps
Serial Port	1 × RS485 (A / B)
Protocols	URL HTTP API, MQTT, Modbus TCP / RTU, ASCII
Network Mode	TCP server / client, cloud heartbeat
Default Setting	IP 192.168.1.253, device address 1
Remote Control	Cloud, mobile app, web, PC software
Special Functions	Delay-off, timers, interlock control
Transparent Mode	Serial-server transparent transmission
Virtual COM	Windows virtual COM port driver
Configuration	Graphical PC configuration tool
Power	12 VDC (DC jack or terminal)
EMS Protection	EFT ±4 kV, ESD ±8 kV (contact)
Operating Temp.	−40 °C to +85 °C
Storage Temp.	−40 °C to +105 °C
Installation	Wall mounting or DIN rail mounting
Dimension	298 × 103 × 28 mm
Net Weight	1,250 g

APPLICATION



Sensors and buttons feed the 16 inputs; the 16 relays switch beacons, sounders, locks and motors. Control comes from the cloud, a PC or a PLC.

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