

TM218LDA40DR4PHN

Schneider Electric · Modicon M218

Compact Logic Controller, 40 I/O, relay outputs, 2AI+2AO, Ethernet, CANopen, 100-240 VAC

Processor

Not available

Clock speed

Not available

Program memory

1 MB Flash (program and data backup)

Data memory

1 MB RAM (application execution)

Programming software

SoMachine / EcoStruxure Machine Expert

Scan speed

1 Kinst per 2 ms (70% boolean + 30% arithmetic, typical)

Digital inputs

24 (20 regular 24 Vdc + 4 fast HSC 10 kHz)

Digital outputs

16 (relay, 2 A per point; 4 fast PTO/PWM)

Analog inputs

2 (0-10 Vdc)

Analog outputs

2 (0-10 Vdc)

High-speed counters

2 × 10 kHz

Pulse outputs

4 fast PTO/PWM (up to 100 kHz)

Expansion modules (max)

Up to 7 TM2 expansion modules; max 248 I/O

Built-in ports

1× Ethernet RJ45, 1× CANopen (SUB-D9), 2× RS-485 (terminal block), 1× mini USB-B (programming)

Protocols

Modbus TCP (Ethernet), CANopen (master), Modbus RTU/ASCII (RS-485), proprietary programming protocol (USB)

Communication expansion

Communication cartridge slot (TMCOM series) for optional Modbus/CANopen/Profibus expansion

Supply voltage

100...240 V AC (50/60 Hz)

Power consumption

34 W

Bus current

Not applicable (self-powered compact controller; no backplane bus)

Operating temperature

0...+55 °C

Storage temperature

-25...+70 °C

Relative humidity

10...95% (non-condensing)

Protection rating

IP20

Dimensions (H×W×D)

94.5 × 150 × 70 mm

Weight

0.69 kg

Lifecycle

Discontinued; Replacement: Modicon M221 (Last verified: 2026-09)