

# Schneider Electric TM258LF66DT4L

Model: TM258LF66DT4L

Brand: Schneider Electric

Series: Modicon M258

Compact Logic Controller, 66 I/O + 4 analog inputs, transistor outputs, 24 VDC

## —— Hardware ——

Processor: Dual-core ARM Cortex-A8 (Core1: program tasks; Core2: communication tasks)

Clock speed: Not available

Program memory: 128 K instructions

Data memory: 64 MB RAM (internal); 128 MB Flash

Programming software: SoMachine / EcoStruxure Machine Expert

Scan speed: 0.022  $\mu$ s per Boolean instruction (45,000+ Boolean instructions per ms)

## —— I/O Capacity ——

Digital inputs: 42 (34 regular 24 Vdc + 8 fast HSC 100 kHz)

Digital outputs: 24 (transistor, source/PNP, 0.5 A per point; 4 fast)

Analog inputs: 4 (0-10 Vdc / 4-20 mA, 12-bit)

Analog outputs: None

High-speed counters: 8  $\times$  100 kHz

Pulse outputs: 4 fast reflex outputs

Expansion modules (max): Up to 7 TM5/TM2 expansion modules; max 2400 I/O

## —— Communication ——

Built-in ports: 1  $\times$  Ethernet RJ45, 1  $\times$  CANopen (SUB-D9), 1  $\times$  serial link (RS-485), 1  $\times$  USB-B mini (programming)

Protocols: Modbus TCP (Ethernet), CANopen master, Modbus RTU/ASCII (serial), proprietary programming protocol (USB)

Communication expansion: 2 free PCI slots for optional communication/function modules (in addition to up to 7 TM5/TM2 I/O expansion modules)

## —— Electrical ——

Supply voltage: 24 V DC (19.2...28.8 V)

Power consumption: 18.11 W

Bus current: Not applicable (self-powered 24V DC compact controller; no backplane bus)

## —— Environmental ——

Operating temperature: 0...+55  $^{\circ}$  C (0...+60  $^{\circ}$  C with derating)

Storage temperature: -25...+70  $^{\circ}$  C

You can contact us through the following contact information

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Relative humidity: 10...95% (non-condensing)

Protection rating: IP20

—— Physical ——

Dimensions (H×W×D): 99 × 265 × 75 mm (wider body for 66 I/O)

Weight: 0.8 kg

—— Status ——

Lifecycle: Active (Last verified: 2026-09)

—— Lifecycle ——

Active (Modicon M258 compact PLC with embedded Ethernet)



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