

# TM258LF66DT4L

Schneider Electric · Modicon M258

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

## 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 µs per Boolean instruction (45,000+ Boolean instructions per ms)

## 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 × 100 kHz

## Pulse outputs

4 fast reflex outputs

## Expansion modules (max)

Up to 7 TM5/TM2 expansion modules; max 2400 I/O

## Built-in ports

1× Ethernet RJ45, 1× CANopen (SUB-D9), 1× serial link (RS-485), 1× 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)

## 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)

## Operating temperature

0...+55 °C (0...+60 °C with derating)

## Storage temperature

-25...+70 °C

**Relative humidity**

10...95% (non-condensing)

**Protection rating**

IP20

**Dimensions (H×W×D)**

99 × 265 × 75 mm (wider body for 66 I/O)

**Weight**

0.8 kg

**Lifecycle**

Active (Last verified: 2026-09)