# Product data sheet

Specifications





## logic controller, Modicon M262, 5ns per instruction, Ethernet

TM262L10MESE8T

Product availability: Stock - Normally stocked in distribution facility

## Price\*: 1,270.00 USD

### Main

Range Of Product	Logic/motion controller - Modicon M262
Product Or Component Type	Logic controller
[Us] Rated Supply Voltage	24 V DC - 1520 %
Discrete I/O Number	8
Upstream Connectivity	IIoT-ready machine to cloud Connected machine to plant

### Complementary

Complementary	
Supply Voltage Limits	20.428.8 V DC
Plc Power Consumption	82 W
Inrush Current	40 A
Number Of Overvoltage Protection	With
Discrete Input Number	4, discrete input fast input IEC 61131-2 Type 1
Discrete Input Voltage	24 V
Discrete Input Voltage Type	DC
Discrete Input Logic	Sink
Voltage State 1 Guaranteed	>= 15 V DC
Voltage State 0 Guaranteed	<= 5 V DC
Discrete Input Current	7.5 mA fast input
Input Impedance	2.81 kOhm input
Response Time	<= 1 µs turn-on, I0I3 fast input <= 1 µs turn-off, I0I3 fast input <= 1 µs turn-on, Q0Q3 fast output <= 1 µs turn-off, Q0Q3 fast output
Configurable Filtering Time	0.001 ms fast input 0.002 ms fast input 0.005 ms fast input 0.01 ms fast input 0.05 ms fast input 0.1 ms fast input 0.5 ms fast input 1 ms fast input 4 ms fast input 12 ms fast input
Discrete Output Number	4 transistor fast output
Discrete Output Voltage	24 V DC
Discrete Output Current	0.5 A fast output Q0Q3)

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Discrete Output Type	Transistor
Discrete Output Logic	Source
Output Voltage Limits	30 V DC
Maximum Current Per Output Common	0.5 A Q0Q3 fast output
Maximum Output Frequency	300 kHz
Accuracy	+/- 0.1 % 0.020.1 kHz fast output +/- 1 % 0.11 kHz fast output
Maximum Leakage Current	10 μA output
Maximum Tungsten Load	<1.5 W
Protection Type	Short-circuit and overload protection with automatic reset Reverse polarity protection Short-circuit protection
Reset Time	200 ms automatic reset fast output
Maximum Number Of I/O Expansion Module	7TM3 IO module (local I/O-Architecture) 7TM3 IO module (remote I/O-Architecture) 64TM3, TM5 or TM7 IO island (distributed I/O-Architecture)
Execution Time For 1 Kinstruction	0.005 ms
Memory Capacity	32 MB program RAM 32 MB OS/website RAM 192 MB system memory RAM
Data Backed Up	1 GB built-in flash memory backup of user programs
Data Storage Equipment	<= 32 GB SDHC card optional)
Backup Time	1000 h 77 °F (25 °C)
Application Structure	8 event tasks 4 cyclic master tasks
	3 cyclic master tasks + 1 freewheeling task 8 external event tasks
Realtime Clock	
Realtime Clock Clock Drift	8 external event tasks
	8 external event tasks With
Clock Drift	8 external event tasks With <= 10 s/month 77 °F (25 °C)
Clock Drift Cycle Time	8 external event tasks With <= 10 s/month 77 °F (25 °C) 0.5 ms
Clock Drift Cycle Time Positioning Functions	8 external event tasks With <= 10 s/month 77 °F (25 °C) 0.5 ms Libraries axes coordinated Ethernet 1 RJ45 10/100BASE-T Ethernet 2 2 RJ45 100/1000BASE-T Serial link RJ45 RS232/RS485 Smart Communication Bus TM3 IO bus

Maximum Number Of Connected Devices	EtherNet/IP <64 Modbus TCP <64 Modbus TCP/EtherNet/IP <96
	Moddus TCP/EtherNet/IP <90
Communication Service	MQTTs OPC UA server (Encrypt) HTTPs Methods (API) Web server Web visu TLS 1.2 TLS 1.3 SNTP NTP client/server FTP client/server FTP server SQL client (remote access)
	DHCP client DHCP server DNS client POP3s client SMTP client SNMP client/server
Local Signalling	for PWR 1 LED (green/red) for RUN 1 LED (green/red) for ERROR (fault) 1 LED (green/red) for stop forced 1 LED (green/red) for I/O error (I/O) 1 LED (green/red) for SD card activity 1 LED (green/orange) for SL activity 1 LED (green/orange) for ETH1 state 1 LED (green/red) for ETH2 state 1 LED (green/red) for EIP MS 1 LED (green/red) for EIP NS 1 LED (green/red)
Electrical Connection	removable spring terminal block for inputs and outputs removable spring terminal block for connecting the 24 V DC power supply
Maximum Cable Distance Between Devices	Shielded cable <9.84 ft (3 m) fast input Shielded cable <9.84 ft (3 m) fast output Unshielded cable <164.04 ft (50 m) input Unshielded cable <164.04 ft (50 m) output Shielded cable <98.43 ft (30 m) RS485 link Shielded cable <49.21 ft (15 m) RS232
Insulation	Between fast input and internal logic 550 V AC Non-insulated between inputs Between fast output and internal logic 500 V AC Non-insulated between outputs Between input and output 500 V AC Between supply and internal logic 500 V AC Non-insulated between supply and ground
Surge Withstand	1 kV power lines (DC) common mode IEC 61000-4-5 1 kV shielded cable common mode IEC 61000-4-5 0.5 kV relay output differential mode IEC 61000-4-5 1 kV input common mode IEC 61000-4-5 1 kV transistor output common mode IEC 61000-4-5
Mounting Support	Top hat type TH35-15 rail IEC 60715 Top hat type TH35-7.5 rail IEC 60715 plate or panel with fixing kit
Height	3.94 in (100 mm)
Depth	3.54 in (90 mm)
Width	4.92 in (125 mm)
Net Weight	1.44 lb(US) (0.655 kg)

## Environment

Standards	UL 61010-1 UL 61010-2-201 CSA C22.2 No 61010-1 CSA C22.2 No 61010-2-201 CSA C22.2 No 213 ANSI/ISA 12-12-01 IEC 61131-2
Product Certifications	CE cULus cULus HazLoc Class I Division 2 CSA 22-2 No 213 RCM EAC Achilles KC
Resistance To Electrostatic Discharge	4 kV on contact IEC 61000-4-2 8 kV on air IEC 61000-4-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 80 MHz1 GHz IEC 61000-4-3 2.74 V/m (3 V/m) 1.4 GHz2 GHz IEC 61000-4-3 0.91 V/m (1 V/m) 2 GHz3 GHz IEC 61000-4-3
Resistance To Fast Transients	2 kV IEC 61000-4-4 power lines) 1 kV IEC 61000-4-4 Ethernet line) 1 kV IEC 61000-4-4 serial link) 1 kV IEC 61000-4-4 input) 1 kV IEC 61000-4-4 transistor output)
Resistance To Conducted Disturbances	10 V 0.1580 MHz IEC 61000-4-4 3 V 0.180 MHz 10 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz)
Electromagnetic Emission	Conducted emissions 12069 dBµV/m QP power lines)10150 kHz IEC 55011 Conducted emissions 63 dBµV/m QP power lines)1.530 MHz IEC 55011 Radiated emissions 40 dBµV/m30230 kHz IEC 55011 Conducted emissions 7963 dBµV/m QP power lines)1501500 kHz IEC 55011 Radiated emissions2301000 MHz IEC 55011
Immunity To Microbreaks	0.01 ms
Ambient Air Temperature For Operation	-4140 °F (-2060 °C) horizontal installation) -4122 °F (-2050 °C) vertical installation) -4113 °F (-2045 °C) flat mounting)
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Relative Humidity	1095 %, without condensation in operation) 1095 %, without condensation in storage)
Ip Degree Of Protection	IP20
Pollution Degree	2
Operating Altitude	06561.68 ft (02000 m)
Storage Altitude	0.009842.52 ft (03000 m)
Vibration Resistance	3.5 mm 28.4 Hz symmetrical rail 1 gn 8.4200 Hz symmetrical rail 3.5 mm 28.4 Hz panel mounting 1 gn 8.4200 Hz panel mounting
Shock Resistance	15 gn 11 ms

## Ordering and shipping details

Category	US10MSX22534
Discount Schedule	OMSX
Gtin	3606489604189
Returnability	Yes
Country Of Origin	US

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.43 in (13.8 cm)
Package 1 Width	7.20 in (18.3 cm)
Package 1 Length	5.16 in (13.1 cm)
Package 1 Weight	29.45 oz (835.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	16.69 lb(US) (7.57 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	64
Package 3 Height	29.53 in (75.0 cm)
Package 3 Width	15.75 in (40.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	149.91 lb(US) (68 kg)

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance

Mercury Free
 Rohs Exemption Information Yes
 Pvc Free

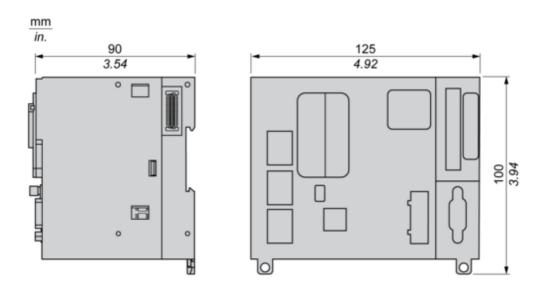
### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

## Product data sheet

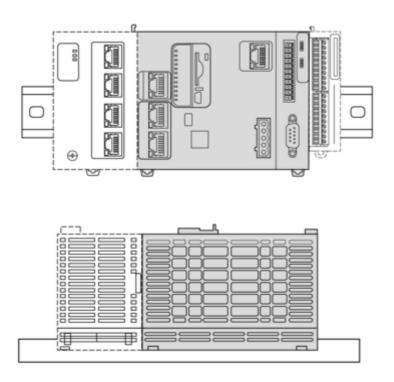
### **Dimensions Drawings**

#### Side and Front Views

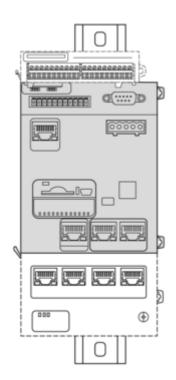


Mounting and Clearance

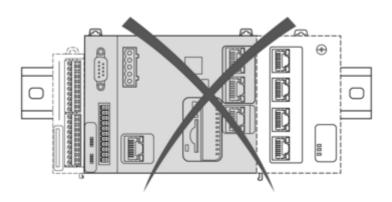
#### **Correct Mounting Position**

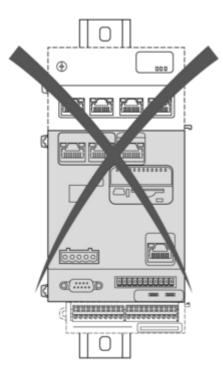


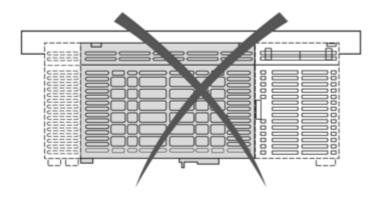
#### Acceptable Mounting Position



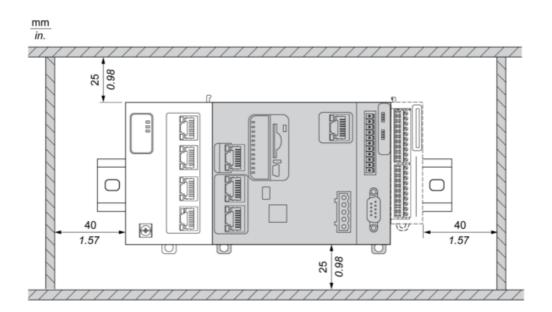
#### **Incorrect Mounting Positions**

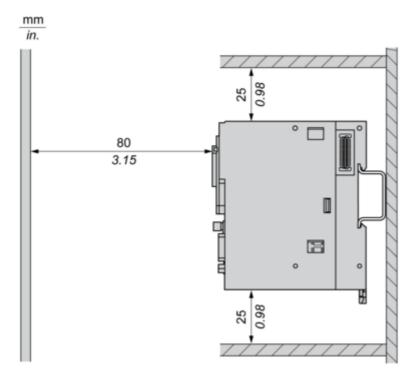






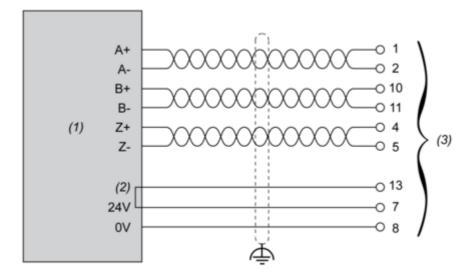
#### Minimum Clearances





**Connections and Schema** 

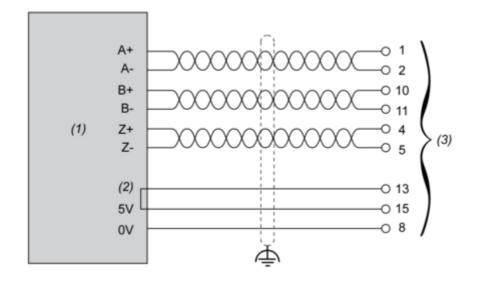
#### Encoder RS422 / 24 VDC



(1) Encoder(2) Return Option

(3) Encoder Sub-D

#### Encoder RS422 / 5 VDC or Push Pull

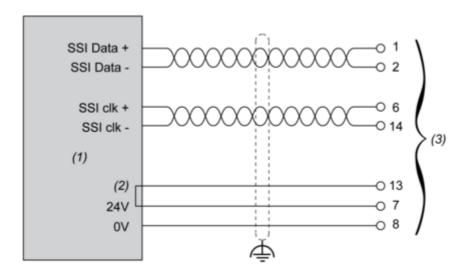


(1) Encoder

(2) Return Option

(3) Encoder Sub-D

Encoder SSI



(1) Encoder

(2) Return Option

(3) Encoder Sub-D