Product data sheet

Specifications



dPAC controller, Modicon M262, 5ns per instruction

TM262L01MDESE8T

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	EcoStruxure Automation Expert
Product or Component Type	DPAC module
[Us] rated supply voltage	24 V DC - 15...20 %

Complementary

Supply voltage limits	20.4…28.8 V DC
PLC Power Consumption	82 W
Inrush current	40 A
Overvoltage protection	With
Maximum number of I/O expansion module	7TM3 IO module (local I/O-Architecture) 7TM3 IO module (remote I/O-Architecture)
Execution time for 1 KInstruction	0.005 ms
Data backed up	1 GB built-in flash memory backup of user programs
Backup time	1000 h 77 °F (25 °C)
Realtime clock	With
Clock drift	<= 10 s/month 77 °F (25 °C)
Integrated connection type	Ethernet 1 RJ45 10/100BASE-T Ethernet 2 2 RJ45 100/1000BASE-T Serial link RJ45 RS232/RS485 TM3 IO bus
Transmission rate	57.6 kbit/s 49.2 ft (15 m) RS485 57.6 kbit/s 9.8 ft (3 m) RS232 10/100 Mbit/s Ethernet1 10/100/1000 Mbit/s Ethernet2
Communication port protocol	EtherNet/IP scanner Modbus TCP client/server Modbus TCP IO scanner Modbus SL client/server
Maximum Number of Connected Devices	EtherNet/IP: 64 Modbus TCP: 64 Modbus TCP/EtherNet/IP: 96
Communication Service	OPC UA server (Encrypt) HTTPs Methods (API) NTP client

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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

Local signalling	1 LED (green/red) 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/orange) for SD card activity 1 LED (green/orange) for SL activity 1 LED (green/red) for ETH1 state 1 LED (green/red) for ETH2 state 1 LED (green/red) for EIP MS 1 LED (green/red) for EIP NS
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 <98.4 ft (30 m) RS485 link Shielded cable <49.2 ft (15 m) RS232
Insulation	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	3.9 in (100 mm)
Depth	3.5 in (90 mm)
Width	4.9 in (125 mm)
Product Weight	1.444 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
Resistance to electrostatic discharge	4 kV on contact IEC 61000-4-2 8 kV on air IEC 61000-4-2
Resistance to electromagnetic fields	9.1 V/m (10 V/m) 80 MHz...1 GHz IEC 61000-4-3 2.7 V/m (3 V/m) 1.4 GHz...2 GHz IEC 61000-4-3 0.9 V/m (1 V/m) 2 GHz...3 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 0.15...80 MHz IEC 61000-4-4 3 V 0.1...80 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 120...69 dBµV/m QP power lines)10…150 kHz IEC 55011 Conducted emissions 63 dBµV/m QP power lines)1.5…30 MHz IEC 55011 Radiated emissions 40 dBµV/m30…230 kHz IEC 55011 Conducted emissions 79...63 dBµV/m QP power lines)150…1500 kHz IEC 55011 Radiated emissions230…1000 MHz IEC 55011
Immunity to microbreaks	0.01 ms

Ambient air temperature for operation	-4…140 °F (-20…60 °C) horizontal installation) -4…122 °F (-20…50 °C) vertical installation) -4…113 °F (-20…45 °C) flat mounting)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Relative humidity	5…95 %, without condensation in operation) 5…95 %, without condensation in storage)
IP degree of protection	IP20
Pollution degree	2
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0…9842.5 ft (0…3000 m)
Vibration resistance	3.5 mm 2…8.4 Hz symmetrical rail 1 gn 8.4…200 Hz symmetrical rail 3.5 mm 2…8.4 Hz panel mounting 1 gn 8.4…200 Hz panel mounting
Shock resistance	15 gn 11 ms

Ordering and shipping details

Category	US1PC1522555
Discount Schedule	PC15
GTIN	3606486108246
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.315 in (13.500 cm)
Package 1 Width	5.512 in (14.000 cm)
Package 1 Length	7.283 in (18.500 cm)
Package weight(Lbs)	29.489 oz (836.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	16.367 lb(US) (7.424 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**1 208 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**19 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 189 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.4 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**Aee2b861-0272-4e88-8e3e-89ad0cfa3229**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Side and Front Views

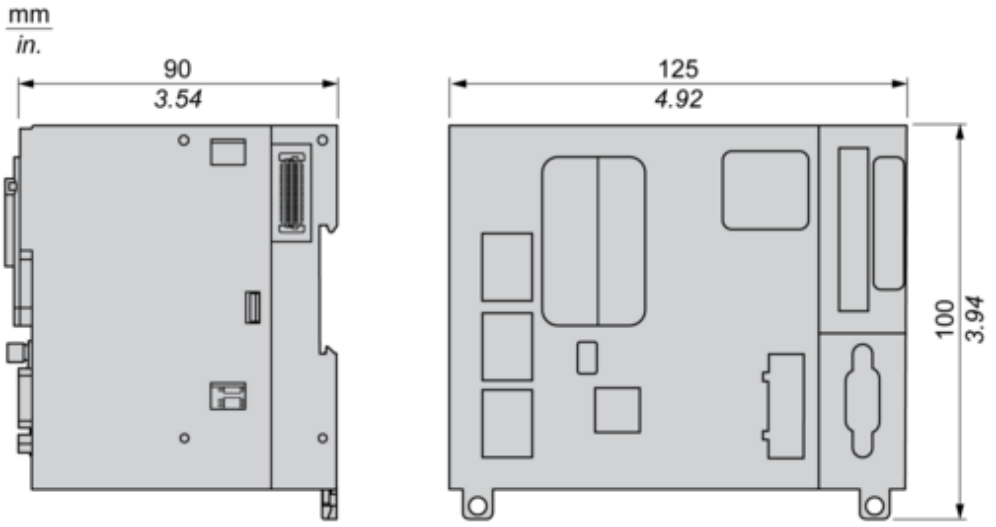
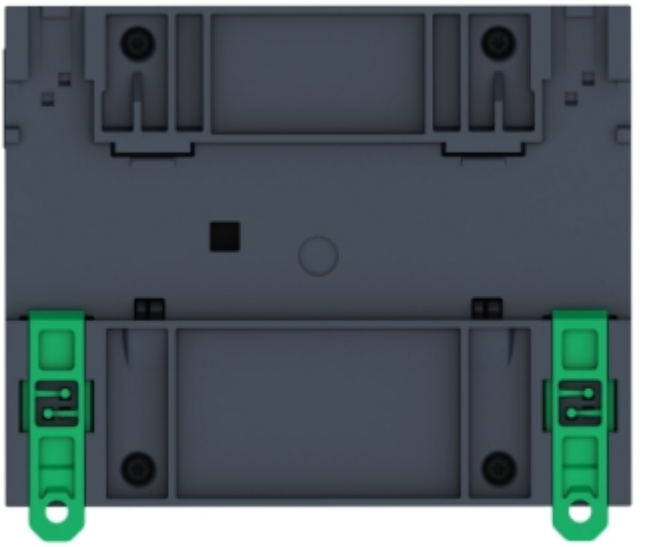
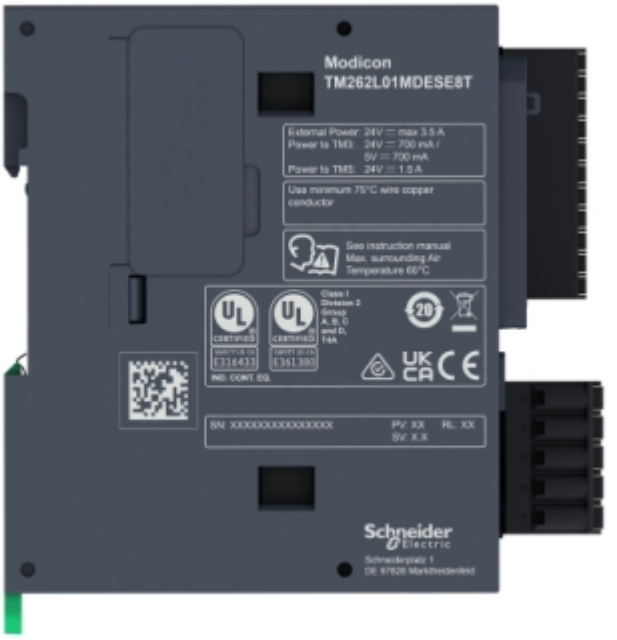
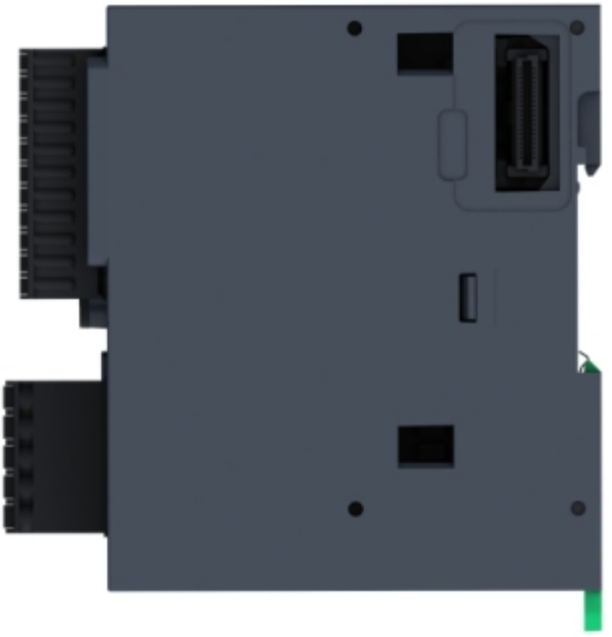


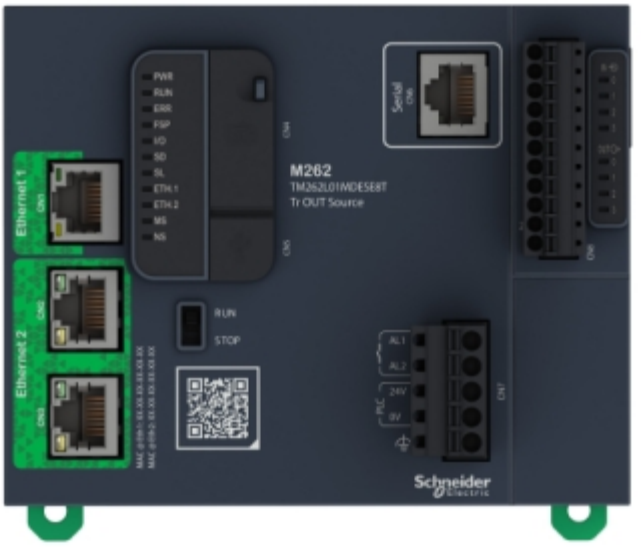
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Alternative








PWR
RUN
ERR
FSP
I/O
SD
SL
ETH 1
ETH 2
MS
NS
M262
TM262L01MDESE8T
Tr OUT Source
Serial
Ethernet 1
Ethernet 2
RUN
STOP
AL1
AL2
24V
0V
Schneider Electric



