Product data sheet

Specifications



Discontinued - Service only

Unity processor, Modicon Premium, Internal RAM 1024kB data, Unity Pro

TSXP575634M

Discontinued on: Dec 2, 2020

To be end-of-service on: Dec 31, 2026

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Unity processor
Software Designation	Unity Pro

Complementary

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	64 128 96
Discrete I/O processor capacity	2040 I/O
Analogue I/O processor capacity	512 I/O
Number of application specific channel	64
Number of process control channel	30 up to 90 simple loops
Integrated connection type	Non isolated serial link female mini DIN RS485)19.2 kbit/s) Ethernet TCP/IP RJ45 USB port12 Mbit/s)
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	1 3 8 5
Memory description	Internal RAM (with PCMCIA card) 1024 kB data Internal RAM (with PCMCIA card) 7168 kB program Internal RAM (without PCMCIA card) 1024 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	128 %MWi internal words located internal data 32768 %Mi located internal bits 64 %KWi constant words located internal data Unlimited (DFB and EFB function blocks) unlocated internal data Unlimited (elementary and derived data) unlocated internal data
Application structure	1 master task 128 event tasks 32 timers 1 fast task 4 auxiliary tasks

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

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

Execution time per instruction	0.0375...0.045 µs Boolean with PCMCIA card 0.0375...0.045 µs Boolean without PCMCIA card 0.045...0.06 µs word or fixed-point arithmetic with PCMCIA card 0.045...0.06 µs word or fixed-point arithmetic without PCMCIA card 0.48...0.56 µs floating points with PCMCIA card 0.48...0.56 µs floating points without PCMCIA card
Number of instructions per ms	14 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 14 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 20.26 Kinst/ms 100 % Boolean with PCMCIA card 20.26 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.07 ms fast task 1 ms master task
Marking	CE
Local signalling	1 LED (green) for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 1 LED (red) for collision detection (COL) 1 LED (red) for Ethernet TCP/IP port fault (ERR) 1 LED (red) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (yellow) for activity on TER or AUX terminal port (TER) 1 LED (yellow) for Ethernet link diagnostics (STS) 1 LED (yellow) for reception activity (RX) 1 LED (yellow) for transmission activity (TX)
Current consumption	1680 mA 5 V DC
Module format	Double
Product Weight	1.34 lb(US) (0.61 kg)

Environment

Standards	CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC 93/68/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C IEC 61131-2 UL 508 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A
Product Certifications	BV DNV RMRS GL ABS RINA LR
Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)
Relative Humidity	10…95 % without condensation for operation 5…95 % without condensation for storage
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC
IP Degree of Protection	IP20
Pollution degree	2

Ordering and shipping details

Category	US1000I22000
Discount Schedule	000I

GTIN	3595862066501
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.7 in (9.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	2.282 lb(US) (1.035 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 >

Use Better

Materials and Substances

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

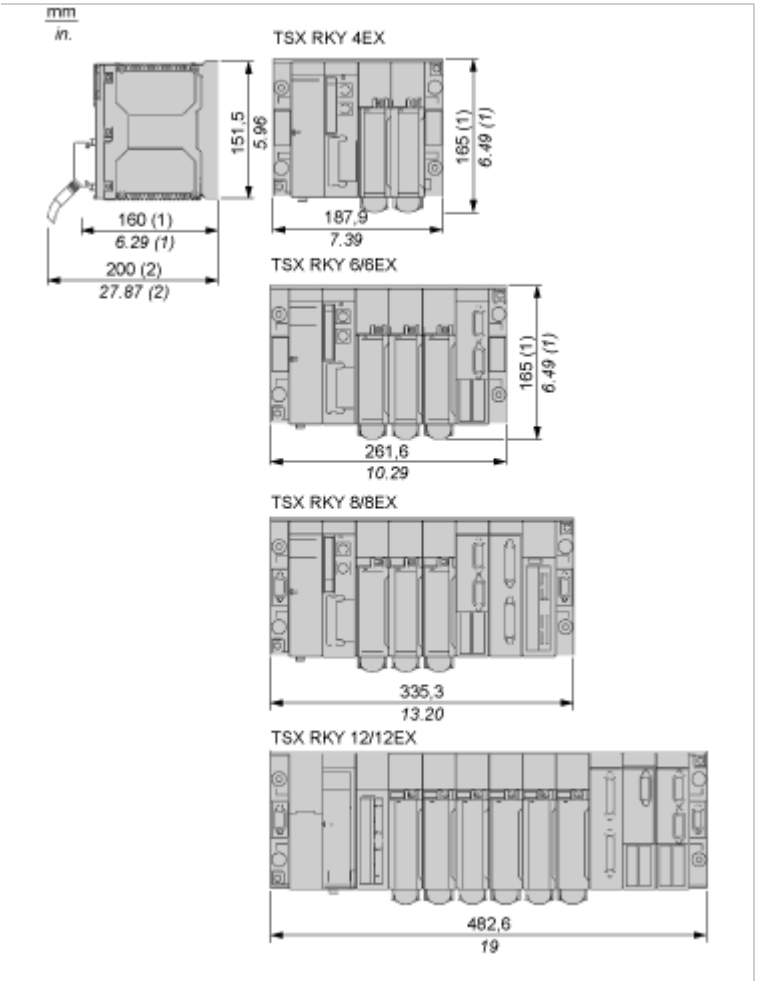
Lifetime extension

Repair	**No**

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



(**1**) With screw terminal block modules.
(**2**) Maximum depth for all types of modules and their associated connectors.