

Product data sheet

Specifications



Unity processor, Modicon Premium, Internal RAM 96kB data, Unity Pro

TSXP57104M

⚠ Discontinued on: Dec 2, 2020

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

⚠ Discontinued - Service only

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

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Unity processor
Software Designation	Unity Pro

Complementary

Number Of Racks	2 12 slots 4 4/6/8 slots
Number Of Slots	16 24 32
Discrete I/O Processor Capacity	512 I/O
Analogue I/O Processor Capacity	24 I/O
Number Of Application Specific Channel	8
Integrated Connection Type	Non isolated serial link 2 female mini DIN RS485(19.2 kbit/s)
Communication Module Processor Capacity	2 1
Memory Description	Internal RAM (with PCMCIA card) 224 kB program Internal RAM (with PCMCIA card) 96 kB data Internal RAM (without PCMCIA card) 96 kB program and data PCMCIA card 256 kB additional data storage
Maximum Size Of Object Areas	32 kB (elementary and derived data) unlocated internal data 4096 %Mi located internal bits 64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data
Application Structure	32 event tasks 1 master task 1 fast task
Execution Time Per Instruction	0.19 µs Boolean without PCMCIA card 0.25 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.5 µs word or fixed-point arithmetic with PCMCIA card 1.75...2.6 µs floating points with PCMCIA card 1.75...2.6 µs floating points without PCMCIA card
Number Of Instructions Per Ms	2.1 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.1 Kinst/ms 100 % Boolean with PCMCIA card 3.71 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System Overhead	0.3 ms fast task 1 ms master task

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

Marking	CE
Local Signalling	for processor running (RUN) 1 LED (green) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (red) for activity on TER or AUX terminal port (TER) 1 LED (yellow)
Current Consumption	850 mA 5 V DC
Module Format	Standard
Net Weight	0.84 lb(US) (0.38 kg)

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC 89/336/EEC UL 508 92/31/EEC 93/68/EEC CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B IEC 61131-2
Product Certifications	RMRS GL LR ABS BV DNV RINA
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	US1PC2222558
Discount Schedule	PC22
Gtin	3595863808629
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)
Package 1 Weight	19.96 oz (566 g)

Unit Type Of Package 2	S04
Number Of Units In Package 2	12
Package 2 Height	11.81 in (30 cm)
Package 2 Width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Package 2 Weight	14.97 lb(US) (6.792 kg)

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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 >](#)

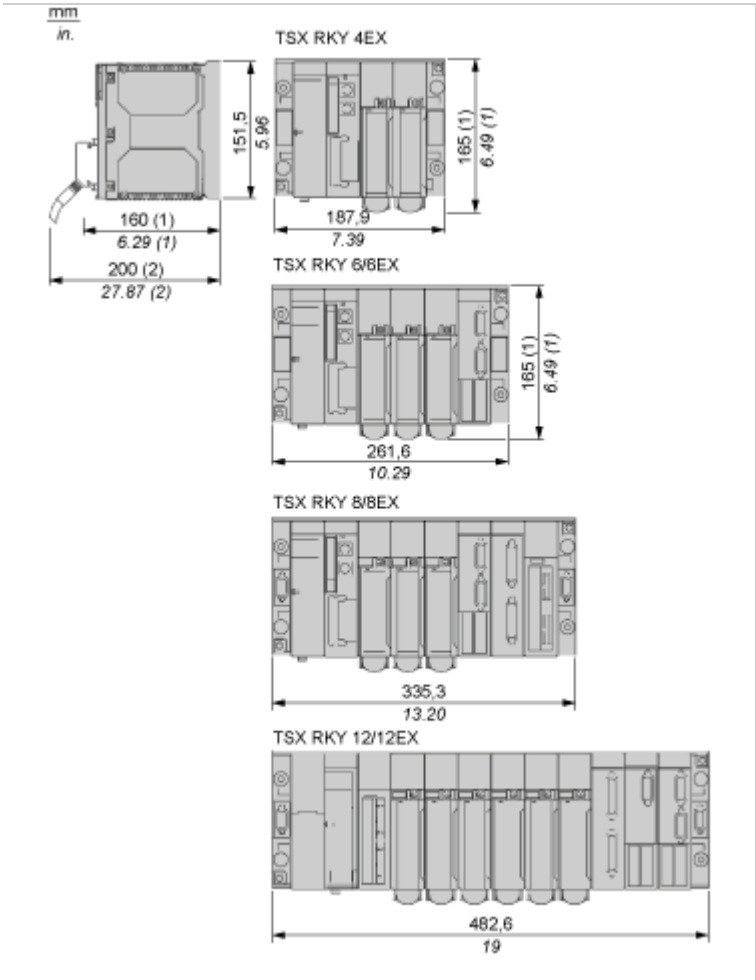
California Proposition 65

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

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.