Product data sheet

Specifications

Unity processor - 8 racks (12 slots)/ 16 racks (4/6/8 slots) - 850 mA 5 V DC

TSXP57204MC

⚠ **Discontinued on:** Dec 2, 2020

⚠ **To be end-of-service on:** Dec 31, 2025

⚠ **Discontinued - Service only**

Main

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

Complementary

Number Of Racks	16 4/6/8 slots 8 12 slots
Number Of Slots	96 128 64
Discrete I/O Processor Capacity	1024 I/O
Analogue I/O Processor Capacity	80 I/O
Number Of Application Specific Channel	24
Number Of Process Control Channel	10 up to 30 simple loops
Integrated Connection Type	Non isolated serial link 2 female mini DIN RS485)19.2 kbit/s)
Communication Module Processor Capacity	4 1
Memory Description	Internal RAM (with PCMCIA card) 160 kB data Internal RAM (with PCMCIA card) 768 kB program Internal RAM (without PCMCIA card) 160 kB program and data PCMCIA card 16384 kB additional data storage
Maximum Size Of Object Areas	64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data 64 kB (elementary and derived data) unlocated internal data 8132 %Mi located internal bits
Application Structure	1 master task 1 fast task 64 event tasks
Execution Time Per Instruction	0.19 µs Boolean without PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 1.75...2.6 µs floating points with PCMCIA card 1.75...2.6 µs floating points without PCMCIA card 0.21 µs Boolean with PCMCIA card 0.42 µs word or fixed-point arithmetic with PCMCIA card
Number Of Instructions Per Ms	2.53 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.7 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

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

System Overhead	0.3 ms fast task
	1 ms master task

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	Double

Net Weight	1.15 lb(US) (0.52 kg)

Environment

Standards	UL 508
	CSA C22.2 No 213 Class I Division 2 Group D
	CSA C22.2 No 142
	93/68/EEC
	73/23/EEC
	92/31/EEC
	CSA C22.2 No 213 Class I Division 2 Group A
	CSA C22.2 No 213 Class I Division 2 Group C
	IEC 61131-2
	CSA C22.2 No 213 Class I Division 2 Group B
	89/336/EEC

Product Certifications	LR
	RMRS
	BV
	DNV
	GL
	RINA
	ABS

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
	Conformal coating Humiseal 1A33

Ip Degree Of Protection	IP20

Pollution Degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO

Discount Schedule	PC22

Gtin	3595863941838

Returnability	No

Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE

Number Of Units In Package 1	1

Package 1 Height	3.74 in (9.5 cm)

Package 1 Width	7.09 in (18.0 cm)

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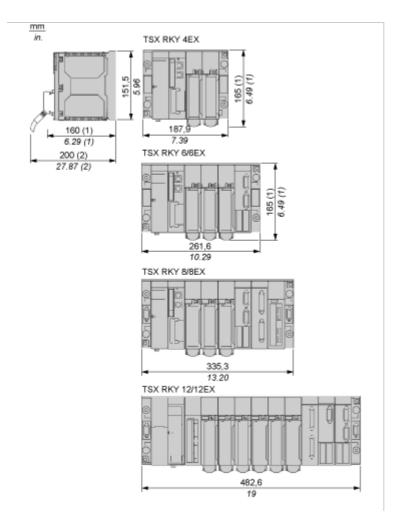|	
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	21.55 oz (611.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	6.52 lb(US) (2.959 kg)

Contractual warranty

Warranty	18 months

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

mm
in.

TSX RKY 4EX

151,5
5.96

160 (1)
6.29 (1)
200 (2)
27.87 (2)

165 (1)
6.49 (1)

187,9
7.39

TSX RKY 6/6EX

165 (1)
6.49 (1)

261,6
10.29

TSX RKY 8/8EX

335,3
13.20

TSX RKY 12/12EX

482,6
19

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

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