

Product data sheet

Specifications



Unity processor - 8 racks (12 slots) / 16 racks (4/6/8 slots) - 1900 mA, 5 V DC

TSXP573634M

! Discontinued on: 02 December 2020

! To be end-of-service on: 31 December 2026

! Discontinued - Service only

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	128 64 96
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	128 I/O
Number of application specific channel	32
Number of process control channel	15 up to 45 simple loops
Integrated connection type	Non isolated serial link 2 female mini DIN RS485)19.2/115 kbit/s) Ethernet TCP/IP RJ45
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	2 1 3 8
Memory description	Internal RAM (with PCMCIA card) 1792 kB program Internal RAM (with PCMCIA card) 192 kB data Internal RAM (without PCMCIA card) 192 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	16384 %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 64 kB (elementary and derived data) unlocated internal data
Application structure	1 master task 1 fast task 64 event tasks
Execution time per instruction	0.12 µs Boolean without PCMCIA card 0.17 µs Boolean with PCMCIA card 0.17 µs word or fixed-point arithmetic without PCMCIA card

0.32 µs word or fixed-point arithmetic with PCMCIA card
 1.75...3 µs floating points with PCMCIA card
 1.75...3 µs floating points without PCMCIA card

Number of instructions per ms 3.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card
 4.59 Kinst/ms 100 % Boolean with PCMCIA card
 5.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
 6.72 Kinst/ms 100 % Boolean without PCMCIA card

System overhead 0.35 ms fast task
 1 ms master task

Marking CE

Local signalling for Ethernet TCP/IP port ready (RUN) 1 LED (green)
 for processor running (RUN) 1 LED (green)
 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 (red)
 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) 1 LED (yellow)

Current consumption 1900 mA 5 V DC

Module format Double

Net Weight 1.41 lb(US) (0.64 kg)

Environment

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

Product Certifications LR
 RINA
 RMRS
 ABS
 GL
 BV
 DNV

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 22558-TSX PREMIUM, ATRIUM & PL7 PRO

Discount Schedule PC22

GTIN 3595863761559

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)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	26.70 oz (757.0 g)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	12.10 lb(US) (5.489 kg)

Offer Sustainability

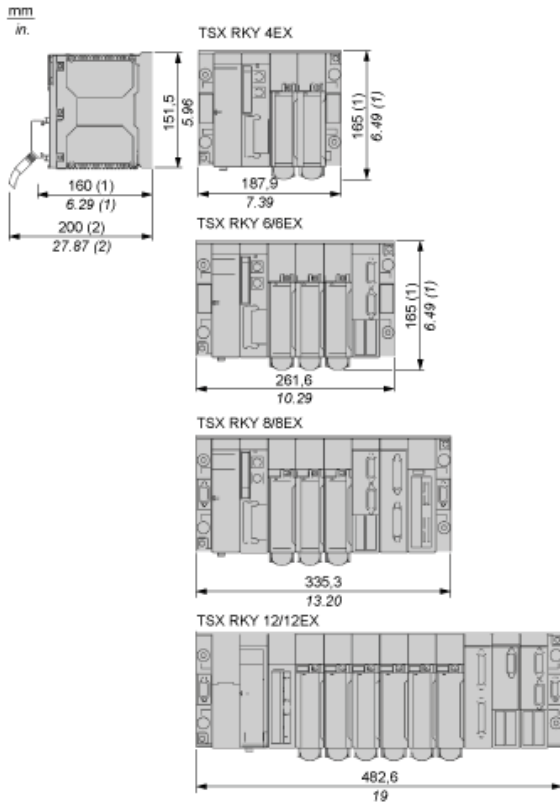
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov
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Contractual warranty

Warranty	18 months
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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.

Recommended replacement(s)

TSXP573634M is replaced by:

1x



Standalone processor, Modicon M580, 12MB, 125 Ethernet devices, 8 Local I/O racks (3072 Digital, 768 Analog)
BMEP583020