Product datasheet

Specifications

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

TSXP57204M

⚠ **Discontinued - Service only**

⚠ Discontinued on: 23 Jan 2021

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

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 connector (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

System Overhead	0.3 ms for fast task 1 ms for master task
Marking	CE
Local Signalling	1 LED (green) for processor running (RUN) 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)
Current Consumption	850 mA at 5 V DC
Module Format	Double
Net Weight	0.52 kg

Environment

Standards	89/336/EEC CSA C22.2 No 213 Class I Division 2 Group A 92/31/EEC IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 93/68/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group D
Product Certifications	LR DNV RMRS ABS GL RINA BV
Ambient Air Temperature For Operation	0…60 °C
Ambient Air Temperature For Storage	-25…70 °C
Relative Humidity	10…95 % without condensation for operation 5…95 % without condensation for storage
Operating Altitude	0...2000 m
Protective Treatment	TC
Ip Degree Of Protection	IP20
Pollution Degree	2

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	648.0 g

Contractual warranty

Warranty	12 months

Life Is On | Schneider Electric
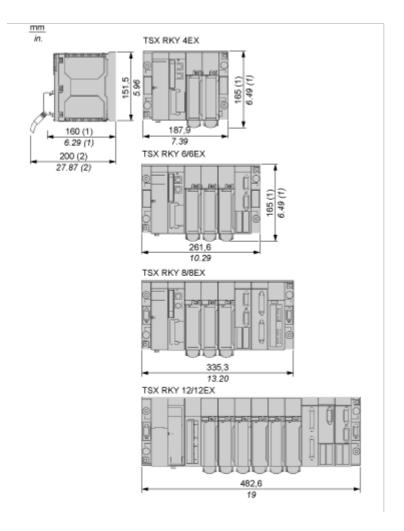
Dimensions Drawings

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.