

Product data sheet

Specifications



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

TSXP575634M

! Discontinued - Service only

! Discontinued on: Dec 31, 2018

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

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 connector (RS485) (19.2 kbit/s) Ethernet TCP/IP RJ45 connector USB port (12 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 |

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 for fast task 1 ms for 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 at 5 V DC |
| Module Format | Double |
| Net Weight | 0.61 kg |

Environment

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|---------------------------------------|--|
| 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 | 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

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|------------------------------|-----|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |

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|------------------|----------|
| Package 1 Height | 9.5 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 26.0 cm |
| Package 1 Weight | 1.035 kg |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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 >](#)

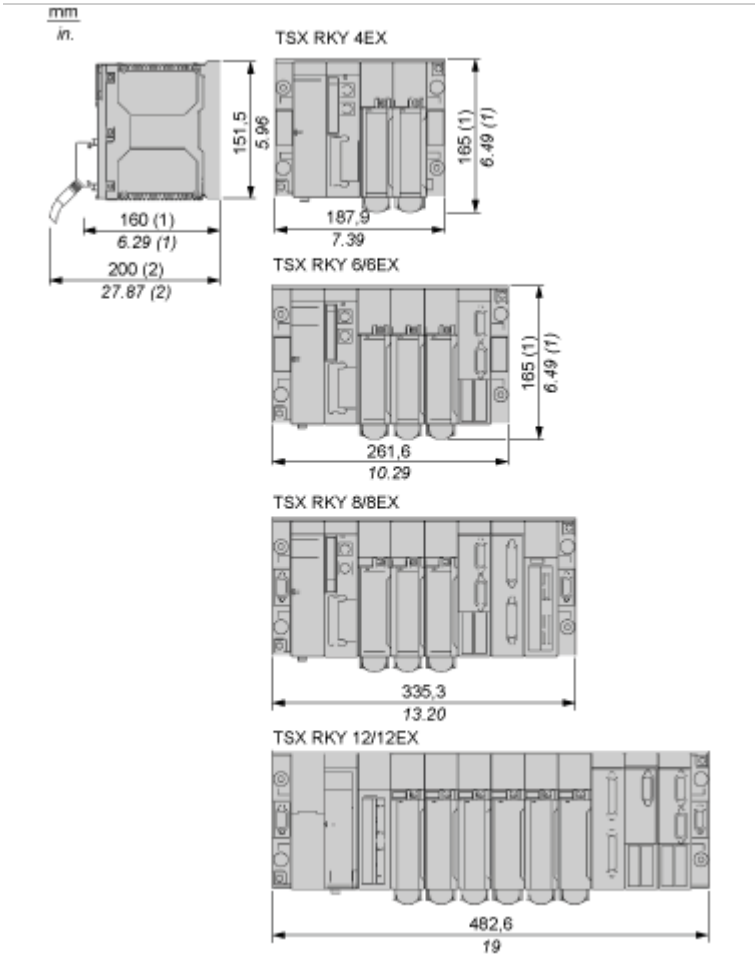
California Proposition 65

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.