

# Product data sheet

Specifications



Unity processor - 2 racks (12 slots)/  
4 racks (4/6/8 slots) - 1650 mA 5 V  
DC

TSXP571634MC

⚠ Discontinued on: 8 Feb 2021

⚠ End-of-service on: 31 Dec 2025

⚠ Discontinued

## 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<br>4 4/6/8 slots                                                                                                                                                                                                                                                                            |
| Number of slots                         | 16<br>32<br>24                                                                                                                                                                                                                                                                                         |
| 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 connector (RS485) (19.2 kbit/s)<br>Ethernet TCP/IP RJ45 connector                                                                                                                                                                                           |
| Port Ethernet                           | 10BASE-T/100BASE-TX                                                                                                                                                                                                                                                                                    |
| Communication module processor capacity | 2<br>1                                                                                                                                                                                                                                                                                                 |
| Memory description                      | Internal RAM (with PCMCIA card) 224 kB program<br>Internal RAM (with PCMCIA card) 96 kB data<br>Internal RAM (without PCMCIA card) 96 kB program and data<br>PCMCIA card 256 kB additional data storage                                                                                                |
| Maximum size of object areas            | 32 kB (elementary and derived data) unlocated internal data<br>4096 %Mi located internal bits<br>64 %KWi constant words located internal data<br>64 %MWi internal words located internal data<br>64 kB (DFB and EFB function blocks) unlocated internal data                                           |
| Application structure                   | 1 master task<br>1 fast task<br>32 event tasks                                                                                                                                                                                                                                                         |
| Execution time per instruction          | 0.19 µs Boolean without PCMCIA card<br>0.25 µs Boolean with PCMCIA card<br>0.25 µs word or fixed-point arithmetic without PCMCIA card<br>0.5 µs word or fixed-point arithmetic with PCMCIA card<br>1.75...2.6 µs floating points with PCMCIA card<br>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<br>3.1 Kinst/ms 100 % Boolean with PCMCIA card<br>3.71 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card<br>4.76 Kinst/ms 100 % Boolean without PCMCIA card                                                         |

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

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System overhead     | 0.3 ms for fast task<br>1 ms for master task                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Marking             | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Local signalling    | 1 LED (green) for Ethernet TCP/IP port ready (RUN)<br>1 LED (green) for processor running (RUN)<br>1 LED (red) for collision detection (COL)<br>1 LED (red) for Ethernet TCP/IP port fault (ERR)<br>1 LED (red) for I/O module or configuration fault (I/O)<br>1 LED (red) for processor or system fault (ERR)<br>1 LED (yellow) for activity on TER or AUX terminal port (TER)<br>1 LED (yellow) for Ethernet link diagnostics (STS)<br>1 LED (yellow) for reception activity (RX)<br>1 LED (yellow) for transmission activity (TX) |
| Current consumption | 1650 mA at 5 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Module format       | Double                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product weight      | 0.74 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                                                                                                                                                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | UL 508<br>73/23/EEC<br>IEC 61131-2<br>CSA C22.2 No 213 Class I Division 2 Group D<br>92/31/EEC<br>CSA C22.2 No 142<br>CSA C22.2 No 213 Class I Division 2 Group C<br>93/68/EEC<br>CSA C22.2 No 213 Class I Division 2 Group B<br>CSA C22.2 No 213 Class I Division 2 Group A<br>89/336/EEC |
| Product certifications                | DNV<br>RMRS<br>GL<br>LR<br>ABS<br>RINA<br>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<br>5...95 % without condensation for storage                                                                                                                                                                                                  |
| Operating altitude                    | 0...2000 m                                                                                                                                                                                                                                                                                 |
| Protective treatment                  | Conformal coating Humiseal 1A33<br>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             | 740.0 g |
| Unit Type of Package 2       | S03     |
| Number of Units in Package 2 | 4       |

|                  |          |
|------------------|----------|
| Package 2 Height | 30 cm    |
| Package 2 Width  | 30 cm    |
| Package 2 Length | 40 cm    |
| Package 2 Weight | 3.475 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

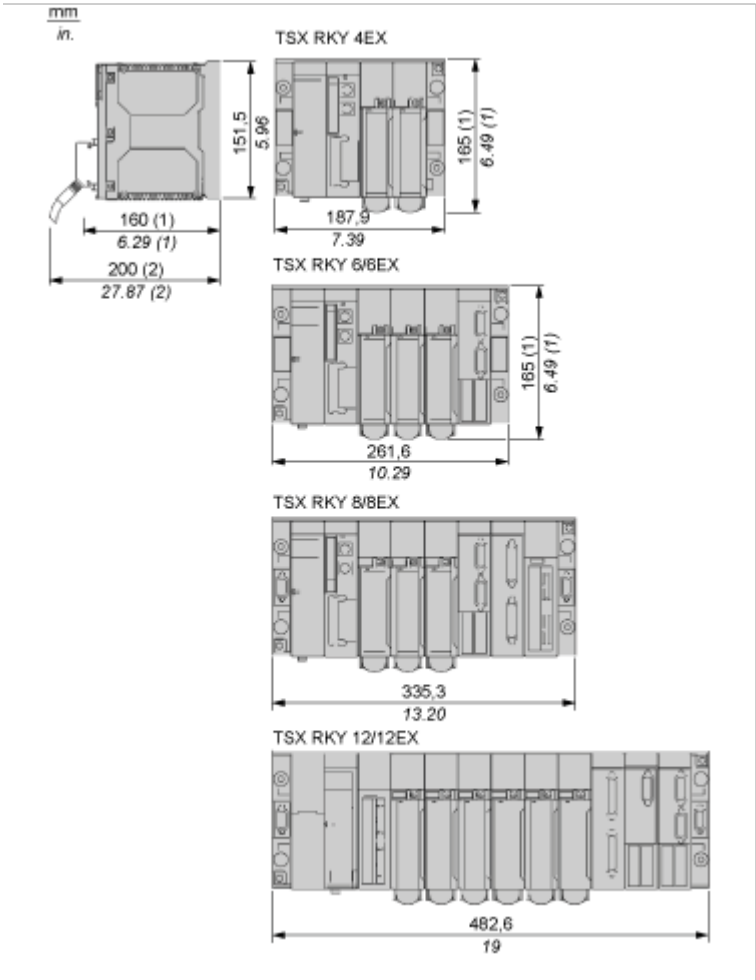
### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

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.