

Product data sheet

Specifications



Unity processor - 8 racks (12 slots) / 16 racks (4/6/8 slots) - 1180 mA, 5 V DC

TSXP57354MC

⚠ Discontinued on: Dec 31, 2017

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

⚠ Discontinued

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 | 128 96 64 |
| 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) Fipio manager (127 agents) SUB-D 9 |
| Communication Module Processor Capacity | 1 3 8 |
| Memory Description | Internal RAM (with PCMCIA card) 1792 kB program Internal RAM (with PCMCIA card) 208 kB data Internal RAM (without PCMCIA card) 208 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 | 64 event tasks 1 master task 1 fast task |
| 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 |

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

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

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|---------------------|---|
| System Overhead | 0.35 ms fast task 1 ms master task |
| Marking | CE |
| Local Signalling | for processor running (RUN) 1 LED (green) for activity on Fipio bus (FIP) 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) |
| Current Consumption | 1180 mA 5 V DC |
| Module Format | Double |
| Net Weight | 1.23 lb(US) (0.56 kg) |

Environment

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|---------------------------------------|--|
| Standards | UL 508 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C 93/68/EEC 73/23/EEC IEC 61131-2 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D |
| Product Certifications | BV DNV GL LR RINA ABS RMRS |
| 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

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|-------------------|-------------------------------------|
| Category | 22558-TSX PREMIUM, ATRIUM & PL7 PRO |
| Discount Schedule | PC22 |
| Gtin | 3595863942255 |
| Returnability | No |
| Country Of Origin | FR |

Packing Units

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|------------------------------|-------------------|
| 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 | 22.36 oz (634.0 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 | 6.73 lb(US) (3.051 kg) |

Contractual warranty

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| Warranty | 18 months |
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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.