# Product data sheet

Specifications



Discontinued - Service only

## Unity processor, Modicon Premium, Internal RAM 192kB data, EtherNet TCP/IP, Unity Pro

TSXP573634M

Discontinued on: Dec 2, 2020

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

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

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| **Range of Product** | Modicon Premium Automation platform |
| **Product or Component Type** | Unity processor |
| **Software Designation** | Unity Pro |

## Complementary

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| **Concept** | Transparent Ready |
| **Number of racks** | 16 4/6/8 slots<br>8 12 slots |
| **Number of slots** | 128<br>64<br>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)<br>Ethernet TCP/IP RJ45 |
| **Port Ethernet** | 10BASE-T/100BASE-TX |
| **Communication module processor capacity** | 2<br>1<br>3<br>8 |
| **Memory description** | Internal RAM (with PCMCIA card) 1792 kB program<br>Internal RAM (with PCMCIA card) 192 kB data<br>Internal RAM (without PCMCIA card) 192 kB program and data<br>PCMCIA card 16384 kB additional data storage |
| **Maximum size of object areas** | 16384 %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<br>64 kB (elementary and derived data) unlocated internal data |
| **Application structure** | 1 master task<br>1 fast task<br>64 event tasks |

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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| **Execution time per instruction** | 0.12 µs Boolean without PCMCIA card<br>0.17 µs Boolean with PCMCIA card<br>0.17 µs word or fixed-point arithmetic without PCMCIA card<br>0.32 µs word or fixed-point arithmetic with PCMCIA card<br>1.75...3 µs floating points with PCMCIA card<br>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<br>4.59 Kinst/ms 100 % Boolean with PCMCIA card<br>5.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card<br>6.72 Kinst/ms 100 % Boolean without PCMCIA card |
| **System overhead** | 0.35 ms fast task<br>1 ms 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** | 1900 mA 5 V DC |
| **Module format** | Double |
| **Net Weight** | 1.41 lb(US) (0.64 kg) |

## Environment

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| **Standards** | CSA C22.2 No 213 Class I Division 2 Group D<br>CSA C22.2 No 142<br>CSA C22.2 No 213 Class I Division 2 Group C<br>UL 508<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<br>IEC 61131-2<br>92/31/EEC<br>73/23/EEC |
| **Product Certifications** | LR<br>RINA<br>RMRS<br>ABS<br>GL<br>BV<br>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<br>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

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| **Category** | US1PC2222558 |
| **Discount Schedule** | PC22 |