# Product data sheet
## Characteristics

# TSXP575634M
## Unity processor - 8 racks (12 slots) / 16 racks (4/6/8 slots) - 1880 mA, 5 V DC

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 | 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 | Ethernet TCP/IP RJ45<br>USB port 12 Mbit/s<br>Non isolated serial link female mini DIN RS485 19.2 kbit/s |
| Port Ethernet | 10BASE-T/100BASE-TX |
| Communication module processor capacity | 1<br>3<br>5<br>8 |
| Memory description | Internal RAM (with PCMCIA card) 1024 kB data<br>Internal RAM (with PCMCIA card) 7168 kB program<br>Internal RAM (without PCMCIA card) 1024 kB program and data<br>PCMCIA card 16384 kB additional data storage |
| Maximum size of object areas | 128 %MWi internal words located internal data<br>32768 %Mi located internal bits<br>64 %KWi constant words located internal data<br>Unlimited (DFB and EFB function blocks) unlocated internal data<br>Unlimited (elementary and derived data) unlocated internal data |
| Application structure | 1 fast task<br>1 master task<br>128 event tasks<br>32 timers<br>4 auxiliary tasks |
| Execution time per instruction | 0.0375...0.045 µs Boolean with PCMCIA card<br>0.0375...0.045 µs Boolean without PCMCIA card<br>0.045...0.06 µs word or fixed-point arithmetic with PCMCIA card<br>0.045...0.06 µs word or fixed-point arithmetic without PCMCIA card<br>0.48...0.56 µs floating points with PCMCIA card<br>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<br>14 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card<br>20.26 Kinst/ms 100 % Boolean with PCMCIA card<br>20.26 Kinst/ms 100 % Boolean without PCMCIA card |

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| System overhead | 0.07 ms fast task<br>1 ms master task |
| Marking | CE |
| Local signalling | 1 LED green Ethernet TCP/IP port ready (RUN)<br>1 LED green processor running (RUN)<br>1 LED red collision detection (COL)<br>1 LED red Ethernet TCP/IP port fault (ERR)<br>1 LED red I/O module or configuration fault (I/O)<br>1 LED red processor or system fault (ERR)<br>1 LED yellow activity on TER or AUX terminal port (TER)<br>1 LED yellow Ethernet link diagnostics (STS)<br>1 LED yellow reception activity (RX)<br>1 LED yellow transmission activity (TX) |
| Current consumption | 1680 mA 5 V DC |
| Module format | Double |
| Product weight | 1.34 lb(US) (0.61 kg) |

## Environment

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|---|---|
| Standards | 73/23/EEC<br>89/336/EEC<br>92/31/EEC<br>93/68/EEC<br>CSA C22.2 No 142<br>IEC 61131-2<br>UL 508<br>CSA C22.2 No 213 Class I Division 2 Group A<br>CSA C22.2 No 213 Class I Division 2 Group B<br>CSA C22.2 No 213 Class I Division 2 Group C<br>CSA C22.2 No 213 Class I Division 2 Group D |
| Product certifications | ABS<br>BV<br>DNV<br>GL<br>LR<br>RINA<br>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<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 | 22558 - TSX PREMIUM, ATRIUM & PL7 PRO |
| Discount Schedule | PC22 |
| GTIN | 00785901603634 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 2.2400000000000002 |
| Returnability | N |
| Country of origin | FR |

## Offer Sustainability

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| RoHS (date code: YYWW) | Compliant - since 0944 - Schneider Electric declaration of conformity [⤢](#)Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product end of life instructions | Need no specific recycling operations |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - - - Substance 1 | Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| - - - - - - - More information | For more information go to www.p65warnings.ca.gov |

Life Is On | Schneider Electric

## Contractual warranty

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| Warranty period | 18 months |