

# TSXP575634M

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

Product availability : Stock - Normally stocked in distribution facility



## Commercial status

Discontinued on: 02 December 2020

To be end-of-service on: 31 December 2026

⚠ Restricted Sales for Services

## 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<br>8 12 slots                                                                                                                                                                                                                                          |
| Number of slots                         | 64<br>128<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              | Non isolated serial link female mini DIN RS485)19.2 kbit/s)<br>Ethernet TCP/IP RJ45<br>USB port12 Mbit/s)                                                                                                                                                             |
| Port Ethernet                           | 10BASE-T/100BASE-TX                                                                                                                                                                                                                                                   |
| Communication module processor capacity | 1<br>3<br>8<br>5                                                                                                                                                                                                                                                      |
| 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 %KW 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 master task<br>128 event tasks<br>32 timers<br>1 fast task                                                                                                                                                                                                          |

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

## Environment

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

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Category              | "22000 - Temporary Category for ITS Price Promotion |
| Discount Schedule     | I                                                   |
| GTIN                  | 00785901603634                                      |
| Nbr. of units in pkg. | 1                                                   |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)                                  |
| Returnability         | No                                                  |

|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

### Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 3.74 in (9.5 cm) |
| Package 1 width        | 7.09 in (18 cm)  |
| Package 1 Length       | 10.24 in (26 cm) |

### Offer 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Contractual warranty

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

### TSXP575634M is replaced by:



Standard environment BMEP584020

processor module M580 - Level 4 - Distributed

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018