# Product data sheet

## Characteristics

**TSXP57453AM**  
Double-format PL7 processor - 1080 mA

### Commercial status

Discontinued: 31 December 2018

TSXP57453AM has not been replaced. Please contact your customer care center for more information.

### Main

- **Range of product**: Modicon Premium Automation platform
- **Product or component type**: Double-format PL7 processor
- **Software designation**: PL7 Junior/Pro

### Complementary

- **Number of racks**: 16 4/6/8 slots  
  8 12 slots
- **Number of slots**: 96  
  64  
  128
- **Discrete I/O processor capacity**: 2040 I/O
- **Analogue I/O processor capacity**: 256 I/O
- **Number of application specific channel**: 64
- **Number of process control channel**: 20 up to 60 simple loops
- **Integrated connection type**: Fipio manager (127 agents) SUB-D 9  
  Non isolated serial link 2 female mini DIN19.2/115 kbit/s
- **Communication module processor capacity**: 2 fieldbus modules (1 if CANopen used)  
  8 AS-Interface bus modules  
  1 CANopen  
  4 network module
- **Memory description**: Internal RAM (with PCMCIA card) 176 Kwords data  
  Internal RAM (without PCMCIA card) 96 Kwords program and data  
  PCMCIA card 2048 Kwords additional data storage  
  PCMCIA card 992 Kwords program
- **Maximum size of object areas**: 30.5 %MWi internal words located internal data  
  32 %KWi constant words located internal data  
  32768 %Mi located internal bits
- **Application structure**: 64 event tasks  
  1 fast task  
  1 master task
- **Execution time per instruction**: 0.06 µs Boolean with PCMCIA card  
  0.06 µs Boolean without PCMCIA card  
  0.08 µs word or fixed-point arithmetic with PCMCIA card  
  0.08 µs word or fixed-point arithmetic without PCMCIA card  
  1.7 µs floating points with PCMCIA card  
  1.7 µs floating points without PCMCIA card
- **Number of instructions per ms**: 13.82 Kinst/ms 100 % Boolean with PCMCIA card

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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.

Oct 27, 2019
| System overhead                      | 0.22 ms fast task  
<table>
<thead>
<tr>
<th></th>
<th>1.15 ms master task</th>
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<tbody>
<tr>
<td>Marking</td>
<td>CE</td>
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</table>
| Local signalling                     | Processor running (RUN) 1 LED green  
|                                    | Activity on Fipio bus (FIP) 1 LED red  
|                                    | I/O module or configuration fault (I/O) 1 LED red  
|                                    | Processor or system fault (ERR) 1 LED red  
|                                    | Activity on the terminal port (TER) 1 LED yellow |
| Current consumption                 | 1080 mA 5 V DC      |
| Module format                       | Double              |
| Net weight                          | 1.23 lb(US) (0.56 kg) |

**Environment**

| Standards                          | 73/23/EEC  
|                                    | 93/68/EEC  
|                                    | CSA C22.2 No 142  
|                                    | 92/31/EEC  
|                                    | CSA C22.2 No 213 Class I Division 2 Group A  
|                                    | UL 508  
|                                    | IEC 61131-2  
|                                    | CSA C22.2 No 213 Class I Division 2 Group C  
|                                    | 89/336/EEC  
|                                    | CSA C22.2 No 213 Class I Division 2 Group B  
|                                    | CSA C22.2 No 213 Class I Division 2 Group D  
| Product certifications            | BV  
|                                    | ABS  
|                                    | RINA  
|                                    | RMRS  
|                                    | DNV  
|                                    | GL  
|                                    | 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  
|                                      | 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                           | 22558-TSX PREMIUM, ATRIUM & PL7 PRO  
|------------------------------------|---------------------------------------|
| Discount Schedule                   | PC22  
| GTIN                               | 00785901438717  
| Package weight(Lbs)                | 1.47 lb(US) (0.666 kg)  
| Returnability                      | No  
| Country of origin                   | FR  

**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 www.p65warnings.ca.gov  
|-------------------------------------|------------------------------------------|

**Contractual warranty**

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