



## 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	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 %KW 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

	13.82 Kinst/ms 100 % Boolean without PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
System overhead	0.22 ms fast task 1.15 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 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
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 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>
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Contractual warranty

Warranty	18 months
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TSXP57453AM is replaced by:



Standard environment BMEP583020  
processor module M580 - Level 3 - Distributed  
Qty 1  
Reason for Substitution: End of life | Substitution date: 31 December 2018