



Commercial status

Discontinued on: 31 December 2018

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

ⓘ Discontinued

Main

Range of product	Modicon Premium Automation platform
Product or component type	Unity processor
Software designation	Unity Pro

Complementary

Number of racks	2 12 slots 4 4/6/8 slots
Number of slots	24 16 32
Discrete I/O processor capacity	512 I/O
Analogue I/O processor capacity	24 I/O
Number of application specific channel	8
Integrated connection type	Non isolated serial link 2 female mini DIN RS485)19.2 kbit/s) Fipio manager (63 agents) SUB-D 9
Communication module processor capacity	2 1
Memory description	Internal RAM (with PCMCIA card) 224 kB program Internal RAM (with PCMCIA card) 96 kB data Internal RAM (without PCMCIA card) 96 kB program and data PCMCIA card 256 kB additional data storage
Maximum size of object areas	32 kB (elementary and derived data) unlocated internal data 4096 %Mi located internal bits 64 %KW _i constant words located internal data 64 %MW _i internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data
Application structure	1 master task 1 fast task 32 event tasks
Execution time per instruction	0.19 μs Boolean without PCMCIA card 0.25 μs Boolean with PCMCIA card 0.25 μs word or fixed-point arithmetic without PCMCIA card 0.5 μs word or fixed-point arithmetic with PCMCIA card 1.75...2.6 μs floating points with PCMCIA card 1.75...2.6 μs floating points without PCMCIA card
Number of instructions per ms	2.1 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.1 Kinst/ms 100 % Boolean with PCMCIA card

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

	3.71 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.3 ms fast task 1 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 TER or AUX terminal port (TER) 1 LED (yellow)
Current consumption	930 mA 5 V DC
Module format	Standard
Net Weight	0.93 lb(US) (0.42 kg)

Environment

Standards	IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group D 93/68/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group B UL 508 89/336/EEC
Product certifications	GL RMRS RINA DNV ABS LR BV
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	00785901421092
Nbr. of units in pkg.	1
Package weight(Lbs)	20.78 oz (589 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 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 www.p65warnings.ca.gov

Contractual warranty

Warranty

18 months

TSXP57154M is replaced by:



Standard environment BMEP581020

processor module M580 - Level 1 - Distributed

Qty 1

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