



⚠ Discontinued

## 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 8 12 slots
Number of slots	128 96 64
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) Ethernet TCP/IP RJ45 USB port12 Mbit/s)
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	1 3 8 5
Memory description	Internal RAM (with PCMCIA card) 2048 kB data Internal RAM (with PCMCIA card) 7168 kB program Internal RAM (without PCMCIA card) 2048 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	128 %MWi internal words located internal data 32768 %Mi located internal bits 64 %KW constant words located internal data Unlimited (DFB and EFB function blocks) unlocated internal data Unlimited (elementary and derived data) unlocated internal data
Application structure	1 master task 1 fast task 4 auxiliary tasks

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

	128 event tasks 32 timers
Execution time per instruction	0.0375...0.045 µs Boolean with PCMCIA card 0.0375...0.045 µs Boolean without PCMCIA card 0.045...0.06 µs word or fixed-point arithmetic with PCMCIA card 0.045...0.06 µs word or fixed-point arithmetic without PCMCIA card 0.48...0.56 µs floating points with PCMCIA card 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 14 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 20.26 Kinst/ms 100 % Boolean with PCMCIA card 20.26 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.07 ms fast task 1 ms master task
Marking	CE
Local signalling	for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 1 LED (green) for collision detection (COL) 1 LED (red) for Ethernet TCP/IP port fault (ERR) 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) for Ethernet link diagnostics (STS) 1 LED (yellow) for reception activity (RX) 1 LED (yellow) for transmission activity (TX) 1 LED (yellow)
Current consumption	1880 mA 5 V DC
Module format	Double
Net Weight	1.34 lb(US) (0.61 kg)

## Environment

Standards	CSA C22.2 No 142 UL 508 CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group C 93/68/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC IEC 61131-2
Product certifications	RINA LR BV ABS RMRS DNV GL
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	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

## Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	03595863974706
Nbr. of units in pkg.	1

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Package weight(Lbs)	2.2 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

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### Packing Units

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Package 1 Height	3.74 in (95.000 mm)
Package 1 width	7.09 in (180.000 mm)
Package 1 Length	10.24 in (260.000 mm)

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### Contractual warranty

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Warranty	18 months
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### TSXP576634MC is replaced by:

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#### Harsh environment BMEP585040C

processor module M580 - Level 5 - Remote Coated

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2017

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