



Commercial status

Discontinued: 31 December 2018

⚠ 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 8 12 slots
Number of slots	64 128 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 connector (RS485) (19.2 kbit/s) Ethernet TCP/IP RJ45 connector USB port (12 Mbit/s)
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	1 3 8 5
Memory description	Internal RAM (with PCMCIA card) 1024 kB data Internal RAM (with PCMCIA card) 7168 kB program Internal RAM (without PCMCIA card) 1024 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 %KWi 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 128 event tasks 32 timers 1 fast task 4 auxiliary tasks
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 for fast task 1 ms for master task
Marking	CE
Local signalling	1 LED (green)Ethernet TCP/IP port ready (RUN): 1 LED (green)processor running (RUN): 1 LED (red)collision detection (COL): 1 LED (red)Ethernet TCP/IP port fault (ERR): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR): 1 LED (yellow)activity on TER or AUX terminal port (TER): 1 LED (yellow)Ethernet link diagnostics (STS): 1 LED (yellow)reception activity (RX): 1 LED (yellow)transmission activity (TX):
Current consumption	1680 mA at 5 V DC
Module format	Double
Net weight	0.61 kg

Environment

Standards	CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC 93/68/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C IEC 61131-2 UL 508 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A
Product certifications	BV DNV RMRS GL ABS RINA LR
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

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
