



Main

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

Complementary

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 RS485)19.2 kbit/s) Fipio manager (127 agents) SUB-D 9 USB port12 Mbit/s)
Communication module processor capacity	4 1 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 fast task 1 master task 128 event tasks 32 timers 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 fast task 1 ms master task
Marking	CE

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 TER or AUX terminal port (TER) 1 LED yellow)
Current consumption	1680 mA 5 V DC
Module format	Double
Net Weight	1.23 lb(US) (0.56 kg)

Environment

Standards	IEC 61131-2 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 142 93/68/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B UL 508 CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D 73/23/EEC
Product certifications	GL BV RINA DNV RMRS ABS 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	00785901584421
Nbr. of units in pkg.	1
Package weight(Lbs)	2.26 lb(US) (1.025 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

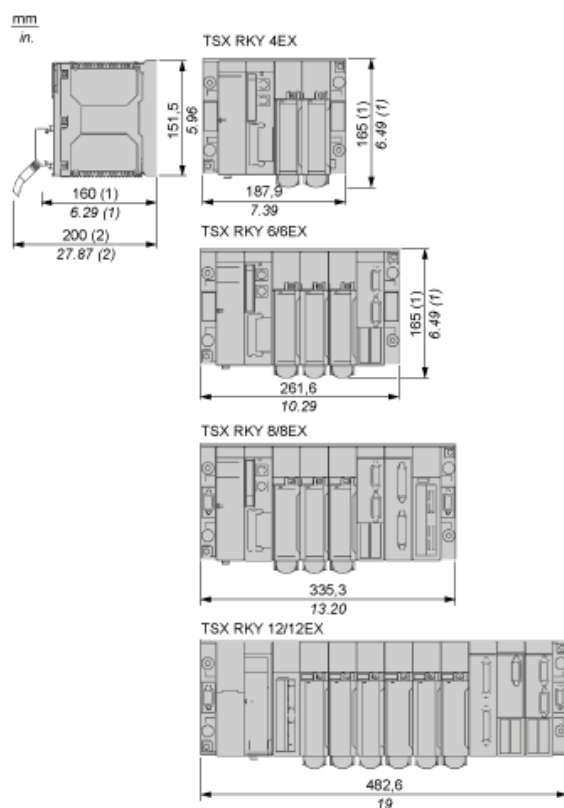
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov
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Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.