



Main

Range of product	Modicon Premium Automation platform
Product or component type	Unity processor
Number of racks	2 12 slots 4 4/6/8 slots
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	Serial link 2 female mini DIN RS485 19.2 kbit/s
Communication module processor	1 1 2
Memory description	PCMCIA card 256 kB additional data storage 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
Software designation	Unity Pro
Protective treatment	TC

Complementary

Number of slots	≤ 32
Maximum size of object areas	32 kB (elementary and derived data) unlocated internal data 64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data 4096 %Mi located internal bits
Application structure	1 fast task 1 master task 32 event tasks
Execution time per instruction	0.19 μs Boolean without PCMCIA card 0.25 μs word or fixed-point arithmetic without PCMCIA card 0.25 μs Boolean with PCMCIA card 0.5 μs word or fixed-point arithmetic with PCMCIA card 1.75...2.6 μs floating points without PCMCIA card 1.75...2.6 μs floating points with 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 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	1 LED green processor running (RUN) 1 LED red processor or system fault (ERR) 1 LED red I/O module or configuration fault (I/O) 1 LED yellow activity on TER or AUX terminal port (TER)
Current consumption	850 mA 5 V DC
Module format	Standard
Product weight	0.38 kg

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Environment

Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA 22-2 No 142 CSA 22-2 No 213 Class I Division 2 Group A CSA 22-2 No 213 Class I Division 2 Group B CSA 22-2 No 213 Class I Division 2 Group C CSA 22-2 No 213 Class I Division 2 Group D IEC 61131-2 UL 508
Product certifications	ABS BV DNV (Det Norske Veritas) GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
IP degree of protection	IP20
Pollution degree	2
RoHS EUR conformity date	0935
RoHS EUR status	Compliant