



Main

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

Complementary

Number of racks	1 6/8/12 slots
Number of slots	<= 12
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	80 I/O
Number of application specific channel	<= 24
Number of process control channel	<= 10 up to 30 simple loops
Integrated connection type	Non isolated serial link female mini DIN RS485 19.2 kbit/s USB port USB type A 12 Mbit/s Ethernet TCP/IP RJ45
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor	2
Memory description	PCMCIA card 16384 kB additional data storage Internal RAM (without PCMCIA card) 192 kB program and data Internal RAM (with PCMCIA card) 768 kB program Internal RAM (with PCMCIA card) 192 kB data
Maximum size of object areas	Unlimited (elementary and derived data) unlocated internal data Unlimited (DFB and EFB function blocks) unlocated internal data 8056 %Mi located internal bits 32760 %KWi constant words located internal data 32464 %MWi internal words located internal data 192 kB data exchanged via CPU Sync link
Application structure	1 master task
Execution time per instruction	0.055...0.063 µs floating points without PCMCIA card 0.055...0.063 µs floating points with PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic without PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic with PCMCIA card 0.048...0.057 µs Boolean with PCMCIA card 0.039...0.057 µs Boolean without PCMCIA card
Number of instructions per ms	15.75 Kinst/ms 100 % Boolean without PCMCIA card 15.75 Kinst/ms 100 % Boolean with PCMCIA card 11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card
System overhead	1 ms master task
Marking	CE

Local signalling	1 LED yellow transmission activity (TX) 1 LED yellow reception activity (RX) 1 LED yellow Ethernet link diagnostics (STS) 1 LED yellow activity on TER or AUX terminal port (TER) 1 LED red processor or system fault (ERR) 1 LED red I/O module or configuration fault (I/O) 1 LED red Ethernet TCP/IP port fault (ERR) 1 LED red collision detection (COL) 1 LED green processor running (RUN) 1 LED green Ethernet TCP/IP port ready (RUN)
Current consumption	1880 mA 5 V DC
Module format	Double
Product weight	0.56 kg

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 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
Protective treatment	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0951 - Schneider Electric declaration of conformity download declaration of conformity

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.