



Main

Range of product	Modicon Quantum automation platform
Product or component type	Unity safety processor
Software designation	Unity Pro XL safety
Backup type	Lithium battery 990XCP98000

Complementary

Clock frequency	266 MHz
Number of slots	10 16 2 3 4 6
Number of racks	1 local
Number of remote I/O station	31 1 remote
Discrete I/O number	31744 inputs, 31744 outputs - remote Unlimited (13 slots max) - local - forbidden in Hot Standby application
Analogue I/O number	1984 inputs, 1984 outputs - remote Unlimited (26 slots max) - local - forbidden in Hot Standby application
Number of optional modules	6 Ethernet 140NOE77111
Maximum number of connections	6 USB local 1 Ethernet TCP/IP local 1 1 Modbus RS232/485 Modbus/ASCII 1 Modbus Plus local
Integrated connection type	1 Ethernet TCP/IP Hot Standby 140NOE77111 local 1 USB local 1 Modbus Plus local 1 Modbus local
Checks	Hot standby Process control
Memory description	Internal RAM 1024 kB - 512 kB for data Expandable 8 MB - file storage with PCMCIA card Expandable 7168 kB - program with PCMCIA card
Switch function	Key switch memory port on/off
Application structure	1 cyclic/periodic master task
Execution time per instruction	0.96...1.02 μ s on fixed-point arithmetic 0.105...0.15 μ s Boolean 0.09...0.12 μ s on word
Execution time for 1 K instruction	5.14 100 % Boolean 5.03 65 % Boolean and 35 % numerical
System overhead	1.5 ms master task
Bus current requirement	2500 mA
Supply current	60 μ A lithium battery \leq 90 A at \leq 60 °C lithium battery

[Us] rated supply voltage	3 V DC lithium battery
Battery capacity	1200 Ah
Battery life	10 yr
Display type	LCD 2 lines of 16 characters
Local signalling	1 LED red for Ethernet collision (ERR) 1 LED green for Ethernet activity (COM)
Electrical connection	2 connectors RJ45 for connecting Modbus bus 1 female connector USB type B for connecting to PC 1 female connector SUB-D 9 for connecting to the Modbus Plus network
Marking	CE

Environment

Product certifications	CSA C-Tick TÜV Rheinland (SIL2) UL
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Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0951 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots