



### 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 Ethernet TCP/IP local 1 USB local 1 Modbus RS232/485 Modbus/ASCII 1 Modbus Plus local
Integrated connection type	1 USB local 1 Modbus Plus local 1 Modbus local 1 Ethernet TCP/IP local
Checks	Process control
Memory description	Internal RAM 1024 kB 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 µs on fixed-point arithmetic 0.105...0.15 µs Boolean 0.09...0.12 µs 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	2760 mA
Supply current	60 µA lithium battery ≤ 90 A at ≤ 60 °C lithium battery
[Us] rated supply voltage	3 V DC lithium battery

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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 CSA HazLoc 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 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available <a href="#">Download Product Environmental</a>
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