



Main

Range of product	Modicon Quantum automation platform
Product or component type	Unity processor

Complementary

Clock frequency	66 MHz
Number of slots	6 4 16 2 10
Number of racks	2 - local rack(s)
Number of distributed I/O station	63 station(s) - 1 rack(s) - 3 Modbus Plus network(s)
Number of remote I/O station	31 - 2 S908 remote I/O rack(s) 0 - 0 ethernet remote I/O rack(s)
Discrete I/O number	8000 inputs, 8000 outputs - distributed - per network Modbus Plus 31744 inputs, 31744 outputs - remote Unlimited (27 slots max) - local
Analogue I/O number	Unlimited (27 slots max) - local 1984 inputs, 1984 outputs - S908 remote I/O 500 inputs, 500 outputs - distributed - per network Modbus Plus
Application specific I/O	Accurate time stamping Counter Serial link High-speed interrupt inputs
Number of optional modules	2 (Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)
Maximum number of connections	1 (USB) 2 (AS-Interface) - distributed 2 (Ethernet TCP/IP) - local 2 (Modbus Plus) - local 2 (Modbus) - RS232/485 Modbus/ASCII 2 (Profibus DP) - local 4 (AS-Interface) - remote
Integrated connection type	1 Modbus Plus with

140CPU31110C

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

	2 Modbus with
Checks	Process control
Memory description	Internal RAM 548 kB
Switch function	Slide switch memory port/off Slide switch communication port : ASCII/RTU/Memory
Application structure	1 cyclic/periodic master task - 1 periodic fast task - 16 timer interrupt tasks - 64 I/O interrupt tasks - 64 interrupt tasks - No auxiliary task -
Execution time per instruction	0.1...0.27 μ s floating points 0.1...0.27 μ s on fixed-point arithmetic 0.12...0.585 μ s Boolean 0.12...0.585 μ s on word
Number of instructions per ms	1.86 Kinst/ms if 100 % Boolean 2.49 Kinst/ms if 65 % Boolean and 35 % numerical
System overhead	1 ms - master task 0.2 ms - fast task
Bus current requirement	1800 mA
Local signalling	1 LED green for communications are active on the Modbus Plus port (Modbus Plus) 1 LED green for communications are active on the Modbus port (Modbus) 1 LED green for CPU has been started and is solving logic (RUN) 1 LED green for CPU has passed the power-up diagnostic tests (READY) 1 LED orange for write-protected memory (memory port) 1 LED red for battery needs replacing or is not present (BAT LOW) 1 LED red for communications error on the Modbus Plus port (ERROR A)
Electrical connection	1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network 2 female connectors, connector type: SUB-D 9 for connecting to the Modbus bus

Environment

Protective treatment	Conformal coating Humiseal 1A33
Product certifications	CE CSA UL
Standards	HazLoc

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0948 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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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

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