



Main

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

Complementary

Clock frequency	266 MHz
Number of slots	10 16 2 4 6
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) 31 - 2 ethernet Quantum remote I/O rack(s) 16 - 2 ethernet X80 remote I/O rack(s)
Discrete I/O number	Unlimited (26 slots max) - local 31744 inputs, 31744 outputs - remote Unlimited (31 drops of 28 slots max) - ethernet remote I/O 8000 inputs, 8000 outputs - distributed - per network Modbus Plus
Analogue I/O number	Unlimited (26 slots max) - local 1984 inputs, 1984 outputs - S908 remote I/O Unlimited (31 drops of 28 slots max) - ethernet remote I/O 500 inputs, 500 outputs - distributed - per network Modbus Plus
Application specific I/O	Accurate time stamping Counter High-speed interrupt inputs Serial link
Communication service	Ethernet router
Number of optional modules	6 (Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)
Maximum number of connections	1 (USB) 2 (AS-Interface) - distributed 4 (AS-Interface) - remote 6 (Ethernet TCP/IP) - local 6 (Modbus Plus) - local 6 (Profibus DP) - local 1 (Modbus) - RS232/485 Modbus/ASCII
Integrated connection type	1 Modbus Plus with 1 Ethernet TCP/IP with 1 Modbus with 1 USB with
Checks	Process control
Memory description	Internal RAM 1024 kB Expandable 7168 kB - program with PCMCIA card Expandable 8 MB - file storage with PCMCIA card
Switch function	Key switch memory port on/off
Application structure	1 cyclic/periodic master task - 1 periodic fast task - 128 I/O interrupt tasks -

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

	128 interrupt tasks - 32 timer interrupt tasks - 4 auxiliary tasks -
Execution time per instruction	0.0525...0.075 µs Boolean 0.045...0.06 µs on word 0.045...0.06 µs on fixed-point arithmetic 0.4...0.5 µs floating points
Number of instructions per ms	15 Kinst/ms if 65 % Boolean and 35 % numerical 20 Kinst/ms if 100 % Boolean
System overhead	1 ms - master task 0.2 ms - fast task
Bus current requirement	2760 mA
Local signalling	1 LED green for Ethernet activity (COM) 1 LED red for Ethernet collision
Electrical connection	1 connector, connector type: RJ45 for connecting Ethernet network 1 connector, connector type: RJ45 for connecting Modbus bus 1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network

Environment

Product certifications	CE CSA GOST UL Misc (Marine)
Standards	HazLoc

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1008 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Period	18 months
--------	-----------