



### Main

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

### Complementary

Mode of transmission	Single mode
Clock frequency	266 MHz
Number of slots	6 10 2 16 4
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) 31 - 2 ethernet X80 remote I/O rack(s)
Discrete I/O number	Unlimited (31 drops of 28 slots max) - ethernet remote I/O 0 - local - forbidden in Hot Standby application 8000 inputs, 8000 outputs - distributed - per network Modbus Plus 31744 inputs, 31744 outputs - remote
Analogue I/O number	Unlimited (31 drops of 28 slots max) - ethernet remote I/O 0 - local - forbidden in Hot Standby application 500 inputs, 500 outputs - distributed - per network Modbus Plus 1984 inputs, 1984 outputs - remote
Application specific I/O	Accurate time stamping High-speed interrupt inputs Serial link Counter
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

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

	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 Modbus with 1 USB with 1 optic fibre with Hot Standby protocol
Checks	Hot standby Process control
Memory description	Internal RAM 11264 kB - 1536 kB for data 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 - forbidden in Hot Standby application 128 I/O interrupt tasks - forbidden in Hot Standby application 128 interrupt tasks - forbidden in Hot Standby application 32 timer interrupt tasks - forbidden in Hot Standby application 4 auxiliary tasks - forbidden in Hot Standby application
Number of instructions per ms	10.28 Kinst/ms if 100 % Boolean 10.07 Kinst/ms if 65 % Boolean and 35 % numerical
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 Modbus bus 1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network 1 connector, connector type: LC (single mode fiber optic) for interconnecting primary and secondary PLCs up to 16 km

## Environment

Protective treatment	Conformal coating Humiseal 1A33
Product certifications	UL ATEX zone 2 IEC-Ex GOST CSA CE Misc (Marine)
Standards	HazLoc

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0934 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
-----------------	-----------

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