



Main

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

Complementary

Mode of transmission	Multi mode
Clock frequency	266 MHz
Number of slots	2 10 4 6 16
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 (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	Counter Serial link Accurate time stamping High-speed interrupt inputs
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 Modbus with 1 USB with 1 optic fibre with Hot Standby protocol
Checks	Process control Hot standby
Memory description	Internal RAM 1024 kB - 512 kB for data 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 - 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
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	2500 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: MT-RJ (multimode fiber optic) for interconnecting primary and secondary PLCs up to 4 km

Environment

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

Offer Sustainability

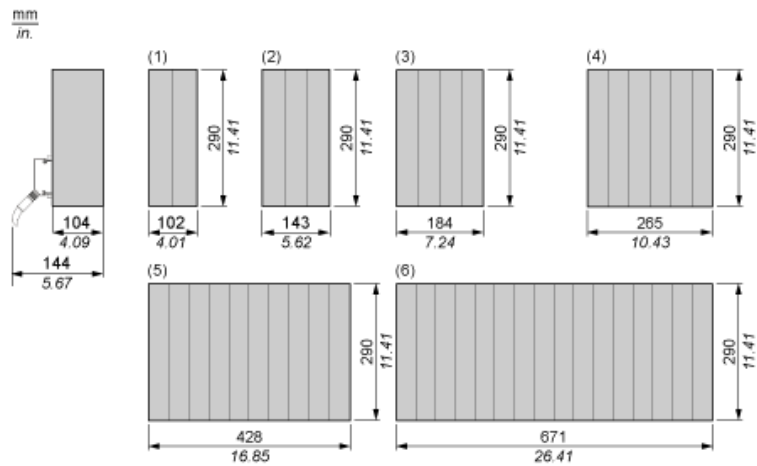
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

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