



Main

Commercial Status	Commercialised
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	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 ethernet X80 remote I/O rack(s) 31 - 2 ethernet Quantum remote I/O rack(s) 31 - 2 S908 remote I/O rack(s)
Discrete I/O number	0 - local - forbidden in Hot Standby application Unlimited (31 drops of 28 slots max) - ethernet remote I/O 8000 inputs, 8000 outputs - distributed - per network Modbus Plus 31744 inputs, 31744 outputs - remote
Analogue I/O number	0 - local - forbidden in Hot Standby application 1984 inputs, 1984 outputs - remote 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 (Modbus) - RS232/485 Modbus/ASCII 6 (Profibus DP) - local 6 (Modbus Plus) - local 6 (Ethernet TCP/IP) - local 4 (AS-Interface) - remote 2 (AS-Interface) - distributed 1 (USB)
Integrated connection type	1 optic fibre with Hot Standby protocol 1 USB with 1 Modbus with 1 Modbus Plus with
Checks	Hot standby Process control

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Memory description	Internal RAM 3072 kB - 1536 kB for data 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 - 4 auxiliary tasks - forbidden in Hot Standby application 32 timer interrupt tasks - forbidden in Hot Standby application 128 interrupt tasks - forbidden in Hot Standby application 128 I/O interrupt tasks - forbidden in Hot Standby application 1 periodic fast task - forbidden in Hot Standby application
Execution time per instruction	0.4...0.5 µs floating points 0.0525...0.075 µs Boolean 0.045...0.06 µs on word 0.045...0.06 µs on fixed-point arithmetic
Execution time for 1 K instruction	20 100 % Boolean 15 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 red for Ethernet collision 1 LED green for Ethernet activity (COM)
Electrical connection	1 connector, connector type: LC (single mode fiber optic) for interconnecting primary and secondary PLCs up to 16 km 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

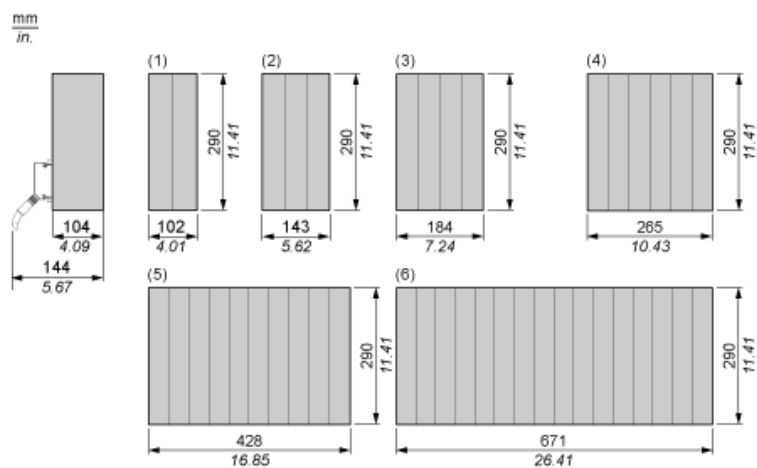
Product certifications	CE CSA GOST UL Misc (Marine)
Standards	HazLoc

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0934 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available

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