



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 distributed network(s)
Number of remote I/O station	31 station(s) - 2 remote rack(s)
Discrete I/O number	Unlimited (26 slots max) - local - forbidden in Hot Standby application 8000 inputs, 8000 outputs per network - distributed 31744 inputs, 31744 outputs - remote
Analogue I/O number	500 inputs, 500 outputs per network - distributed 1984 inputs, 1984 outputs - remote
Application specific I/O	Accurate time stamping Counter High-speed interrupt inputs Serial link
Number of optional modules	6 (Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)
Maximum number of connections	Unlimited (AS-Interface) - local 6 (Profibus DP) - local 6 (Modbus Plus) - local 6 (Ethernet TCP/IP) - local 4 (AS-Interface) - remote 2 (AS-Interface) - distributed 1 (USB) 1 (Modbus) - RS232/485 Modbus/ASCII
Integrated connection type	1 Ethernet TCP/IP 1 Modbus 1 Modbus Plus 1 USB
Checks	Hot standby Process control
Memory description	Expandable 1024 kB - data with PCMCIA card Internal RAM 1024 kB 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	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 1 cyclic/periodic master task

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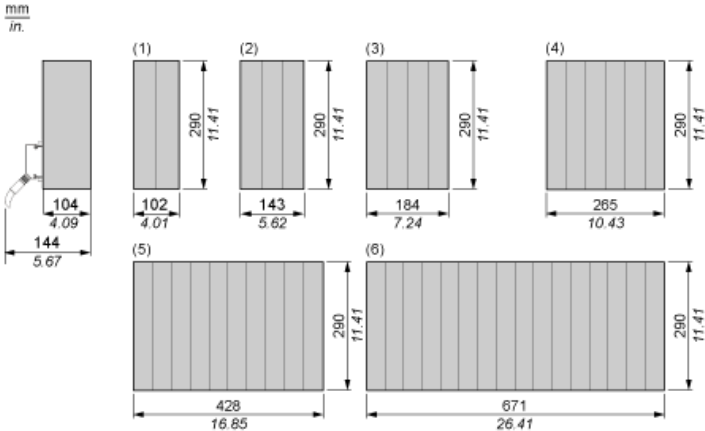
Execution time per instruction	0.4...0.5 $\mu$ s floating points 0.0525...0.075 $\mu$ s Boolean 0.045...0.06 $\mu$ s on word 0.045...0.06 $\mu$ s on fixed-point arithmetic
Execution time for 1 K instruction	10.28 100 % Boolean 10.07 65 % Boolean and 35 % numerical
System overhead	1 ms - master task 0.2 ms - fast task
Bus current requirement	2500 mA
Local signalling	1 LED red for Ethernet collision 1 LED green for Ethernet activity (COM)
Electrical connection	1 connector MT-RJ (multimode fiber optic) for interconnecting primary and secondary PLCs up to 4 Km 1 female connector SUB-D 9 for connecting to the Modbus Plus network 1 connector RJ45 for connecting Modbus bus 1 connector RJ45 for connecting Ethernet network

## Environment

Product certifications	CE CSA UL
Standards	HazLoc

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