## Product data sheet Characteristics

## 140CPU67060C

## Unity Hot Standby processor with multimode Ethernet - 512 kB - 266 MHz - coated



#### Main

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

#### Complementary

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Mode of transmission	Multi 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	0 - 0 S908 remote I/O rack(s) 6 - 2 ethernet X80 remote I/O rack(s) 0 - 0 ethernet Quantum remote I/O rack(s)
Discrete I/O number	0 - local - forbidden in Hot Standby application Up to 6 drops X80 - ethernet remote I/O 0 - S908 remote I/O - not configurable 8000 inputs, 8000 outputs - distributed - per network Modbus Plus
Analogue I/O number	0 - local - forbidden in Hot Standby application Up to 6 drops X80 - ethernet remote I/O 0 - S908 remote I/O - not configurable 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	3 ( Ethernet, Modbus, Modbus Plus, Profibus DP, Sy/Max)
Maximum number of connections	3 ( Profibus DP) - local 3 ( Modbus Plus) - local 3 ( Ethernet TCP/IP) - local 1 ( Modbus) - RS232/485 Modbus/ASCII 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
Memory description	Internal RAM 512 kB - 512 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

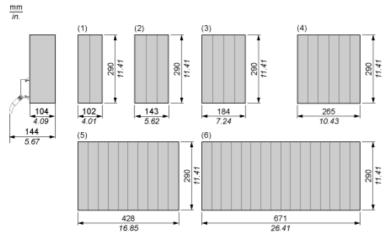
Application structure	1 cyclic/periodic master task -
	4 auxiliary tasks - forbidden in Hot Standby application 32 timer interrupt tasks - forbidden in Hot Standby application
	128 interrupt tasks - forbidden in Hot Standby application
	128 I/O interrupt tasks - forbidden in Hot Standby application
	1 periodic fast task - forbidden in Hot Standby application
Execution time per instruction	0.40.5 μs floating points
	0.05250.075 μs Boolean
	0.0450.06 μs on word
	0.0450.06 μs on fixed-point arithmetic
Number of instructions per ms	20 Kinst/ms if 100 % Boolean
	15 Kinst/ms if 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, connector type: MT-RJ (multimode fiber optic) for interconnecting
	primary and secondary PLCs up to 4 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



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### Racks for Modules Mounting

#### Dimensions of Modules and Racks



- 2 slots
- (2) (3) (4) 3 slots
- 4 slots
- 6 slots
- 10 slots
- (5) (6) 16 slots