

Product datasheet

Specifications



Unity Hot Standby processor with multimode Ethernet - 3072 kB - 266 MHz

140CPU67260

⚠ Discontinued on: 9 July 2018

⚠ To be end-of-service on: 31 Dec 2026

⚠ Discontinued - Service only

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	10 16 4 6 2
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 rack(s) per S908 remote I/O 31 - 2 rack(s) per ethernet Quantum remote I/O 31 - 2 rack(s) per ethernet X80 remote I/O
Discrete I/O Number	31744 inputs, 31744 outputs - remote 8000 inputs, 8000 outputs - distributed - per network Modbus Plus Unlimited (31 drops of 28 slots max) - ethernet remote I/O 0 - local - forbidden in Hot Standby application
Analogue I/O Number	500 inputs, 500 outputs - distributed - per network Modbus Plus Unlimited (31 drops of 28 slots max) - ethernet remote I/O 1984 inputs, 1984 outputs - remote 0 - local - forbidden in Hot Standby application
Application Specific I/O	Accurate time stamping Counter Serial link 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

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

Checks	Process control Hot standby
Memory Description	Expandable 7168 kB - program with PCMCIA card Expandable 8 MB - file storage with PCMCIA card Internal RAM 3072 kB - 1536 kB for data
Switch Function	Key switch memory port on/off
Application Structure	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 1 cyclic/periodic master task -
Number Of Instructions Per Ms	10.28 Kinst/ms 100 % Boolean 10.07 Kinst/ms 65 % Boolean and 35 % numerical
System Overhead	0.2 ms for fast task 1 ms for master task
Bus Current Requirement	2760 mA
Local Signalling	1 LED (yellow) for Ethernet activity (COM) 1 LED (yellow) for configuration status (STS)
Electrical Connection	1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network 1 connector, connector type: RJ45 for connecting Modbus bus 1 connector, connector type: MT-RJ (multimode fiber optic) for interconnecting primary and secondary PLCs up to 4 km

Environment

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

Packing Units

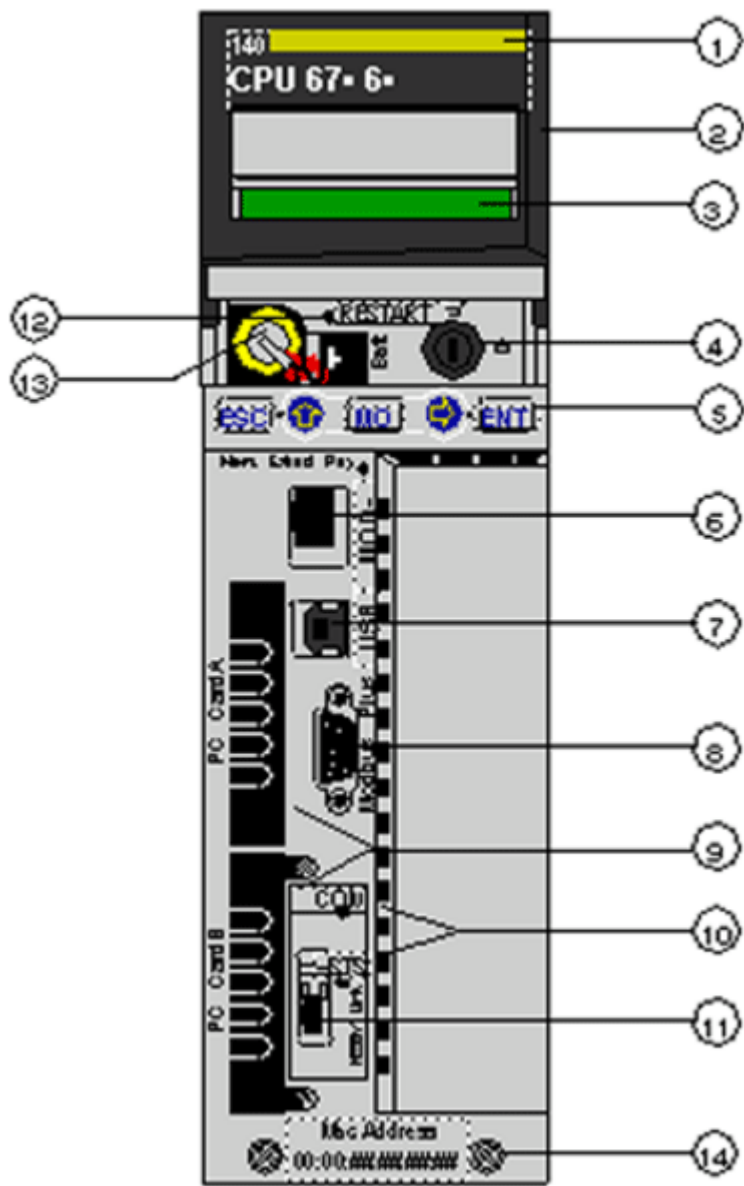
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	19.0 cm
Package 1 Length	33.0 cm
Package 1 Weight	1.446 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	8.676 kg

Contractual warranty

Warranty	18 months
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Presentation

Presentation



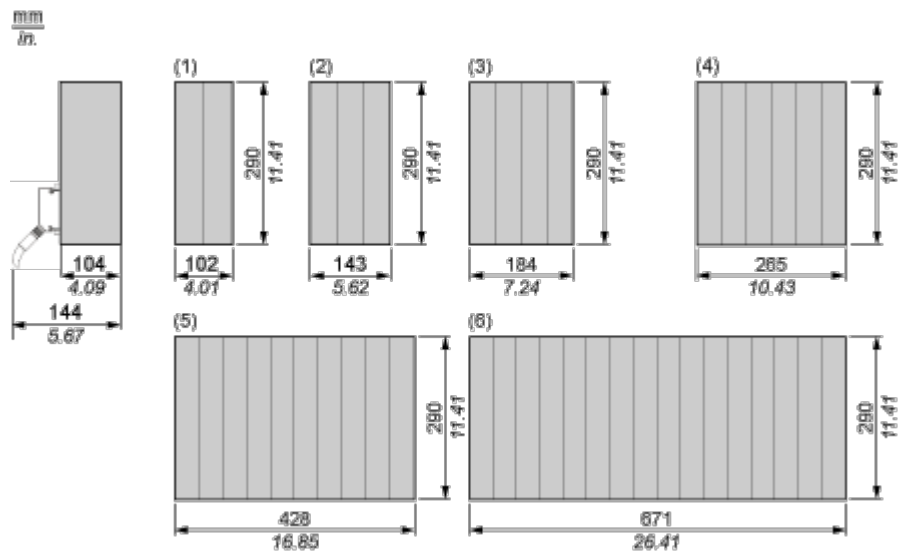
- 1 model number, module description, color code
- 2 lens cover (open)
- 3 LCD Display (here covered by lens cover)
- 4 key switch
- 5 keypad (with 2 red LED indicators)
- 6 Modbus port (RS-232) (RS-485)
- 7 USB port
- 8 Modbus Plus port
- 9 PCMCIA slots A and B
- 10 LED indicators (yellow) for Ethernet communication
- 11 HSBY fiber optic communication port
- 12 reset button
- 13 battery (user installed)

14 2 screws

Dimensions Drawings

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