

Product datasheet

Specifications



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

140CPU67260

! Discontinued on: 23 January 2021

! To be end-of-service on: 31 December 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

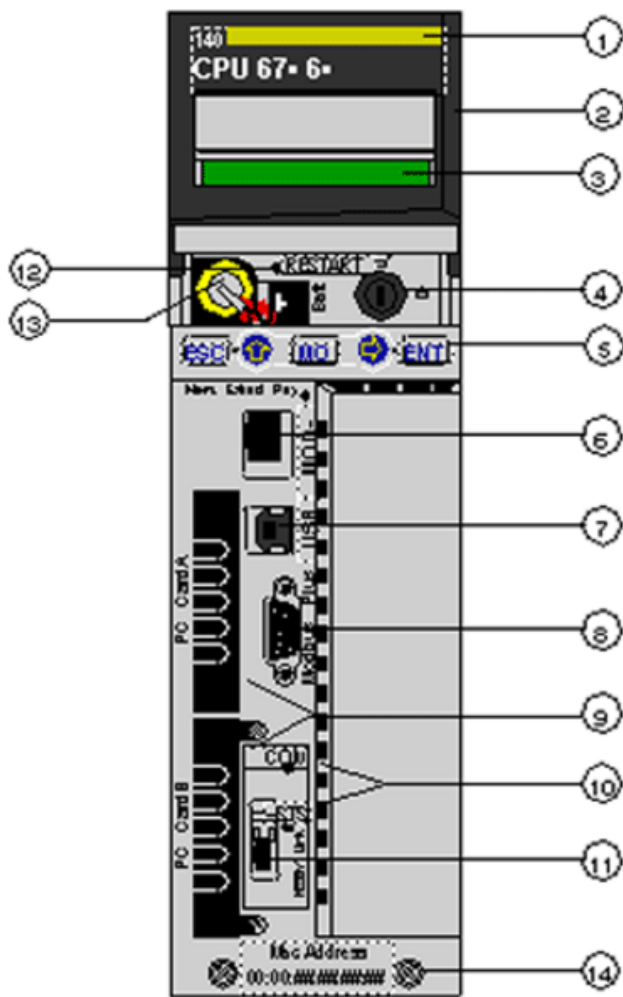
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.446 kg
Package 1 Height	11 cm
Package 1 width	19 cm
Package 1 Length	33 cm
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Weight	8.676 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

Contractual warranty

Warranty	18 months
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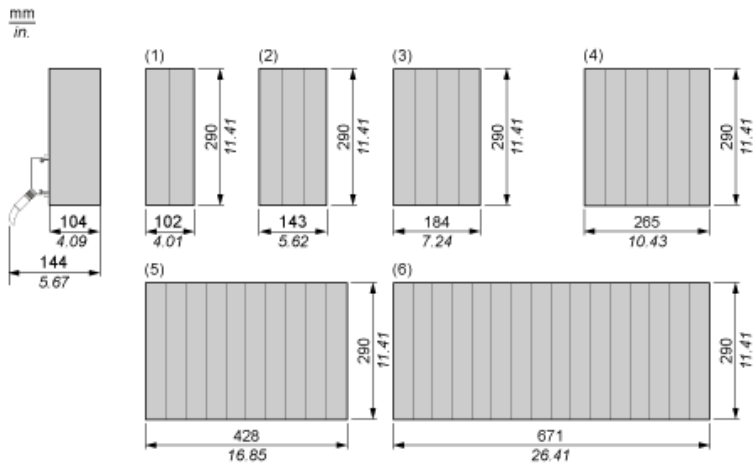
Presentation



- 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

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