

Product data sheet

Specifications



Unity Hot Standby processor with single mode Ethernet - 11 MB - 266 MHz

140CPU67861

! Discontinued on: 31 December 2018

! 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 Single 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
Serial link
High-speed interrupt inputs
Accurate time stamping
Counter

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 | Hot standby Process control |
| Memory description | Expandable 8 MB - file storage with PCMCIA card Internal RAM 11264 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 (green) for Ethernet activity (COM) 1 LED (red) for Ethernet collision |
| 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: LC (single mode fiber optic) for interconnecting primary and secondary PLCs up to 16 km |

Environment

| | |
|-------------------------------|--|
| Protective treatment | Conformal coating Humiseal 1A33 |
| Product certifications | UL CE CSA GOST Misc (Marine) |
| Standards | HazLoc |

Packing Units

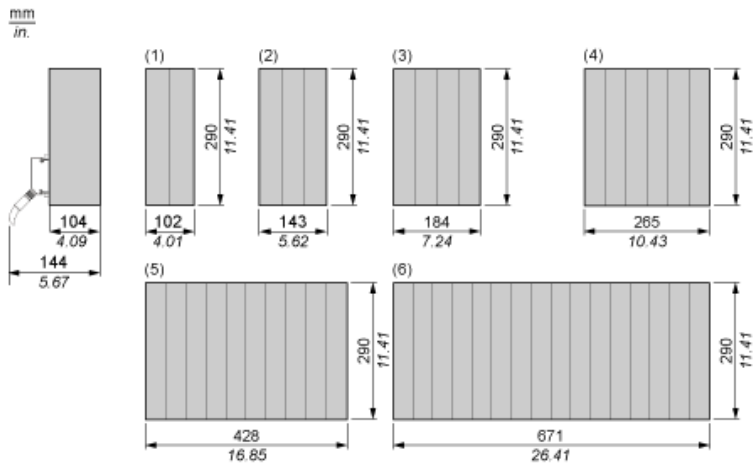
| | |
|-------------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.424 kg |
| Package 1 Height | 11 cm |
| Package 1 width | 18.5 cm |
| Package 1 Length | 32.5 cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 8.544 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 40 cm |
| Package 2 Length | 60 cm |

Offer Sustainability

| | |
|---------------------------------|---|
| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

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

Recommended replacement(s)

140CPU67861 is replaced by:

1x



Redundant processor module, Modicon M580, HSBY Level 6, Remote
BMEH586040