

Schneider Service Manual

140CPU67160

3. Product Information

Schneider Electric 140CPU67160 Picture

Unity Hot Standby processor with multimode Ethernet - 1024 kB - 266 MHz

140CPU67160

Specifications

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

2

10

16

4

6

Number of racks

2 - local

Number of distributed I/O station

63 1 3 Modbus Plus

Number of remote I/O station

31 - 2 S908 remote I/O

31 - 2 ethernet Quantum remote I/O

16 - 2 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

High-speed interrupt inputs

Serial link

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

1 Modbus

1 USB

1 optic fibre Hot Standby

Checks

Process control

Hot standby

Memory description

Expandable 7168 kB - program with PCMCIA card

Expandable 8 MB - file storage with PCMCIA card

Internal RAM 1024 kB - 512 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 fast task

1 ms master task

Bus current requirement

2500 mA

Local signalling

1 LED (green) for Ethernet activity (COM)

1 LED (red) for Ethernet collision

Electrical connection

1 female connector SUB-D 9 for connecting to the Modbus Plus network

1 connector RJ45 for connecting Modbus bus

1 connector MT-RJ (multimode fiber optic) for interconnecting primary and secondary PLCs up to 4 km

Environment

Product Certifications

CE

UL

Misc (Marine)

CSA

GOST

Standards

HazLoc

Ordering and shipping details

Category

18150 - QUANTUM CONTROLLERS,HSBY,COMM.

Discount Schedule

PC21

GTIN

3595863819380

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

4.33 in (11.0 cm)

Package 1 Width

7.48 in (19.0 cm)

Package 1 Length

12.80 in (32.5 cm)

Package weight(Lbs)

3.190 lb(US) (1.447 kg)