

Schneider Service Manual

140CPU65150

3. Product Information

Schneider Electric 140CPU65150 Picture

Unity processor, Modicon Quantum automation platform, Modbus Plus, 768kB RAM, 166MHz

140CPU65150

Specifications

Main

Range of Product

Modicon Quantum automation platform

Product or Component Type

Unity processor

Complementary

Clock frequency

166 MHz

Number of slots

10

16

6

4

2

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 (26 slots max) - local

Unlimited (31 drops of 28 slots max) - ethernet remote I/O

Analogue I/O number

500 inputs, 500 outputs - distributed - per network Modbus Plus

1984 inputs,1984 outputs - S908 remote I/O

Unlimited (26 slots max) - local

Unlimited (31 drops of 28 slots max) - ethernet remote I/O

Application specific I/O

Accurate time stamping

Serial link

High-speed interrupt inputs

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 Ethernet TCP/IP

1 Modbus

1 USB

Checks

Process control
Memory description
Expandable 7168 kB - program with PCMCIA card
Expandable 8 MB - file storage with PCMCIA card
Internal RAM 768 kB
Switch Function
Key switch memory port on/off
Application structure
1 cyclic/periodic master task -
1 periodic fast task -
128 I/O interrupt tasks -
128 interrupt tasks -
32 timer interrupt tasks -
4 auxilliary tasks -
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
2160 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 Ethernet network
1 connector RJ45 for connecting Modbus bus
Environment
Product Certifications
Misc (Marine)
UL
CE
CSA
GOST
Standards
HazLoc
Ordering and shipping details
Category
US1PC2118150
Discount Schedule
PC21
GTIN
3595862066402
Returnability
No
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
7.28 in (18.5 cm)
Package 1 Length
12.80 in (32.5 cm)
Package weight(Lbs)

3.161 lb(US) (1.434 kg)