Product data sheet

140CPU65860
Unity processor Modicon Quantum - 11 MB - 266 MHz

Main
Range of product: Modicon Quantum automation platform
Product or component type: Unity processor

Complementary
Clock frequency: 266 MHz
Number of slots:
- 10
- 16
- 2
- 4
- 6
Number of racks:
- 2 - local rack(s)
Number of distributed I/O station:
- 63 station(s) - 1 rack(s) - 1 Modbus Plus network(s)
Number of remote I/O station:
- 31 - 2 S908 remote I/O rack(s)
- 31 - 2 ethernet Quantum remote I/O rack(s)
- 31 - 2 ethernet X90 remote I/O rack(s)
Discrete I/O number:
- Unlimited (31 drops of 28 slots max) - ethernet remote I/O
- 31744 inputs, 31744 outputs - S908 remote I/O
- 8000 inputs, 8000 outputs - distributed - per network Modbus Plus
- Unlimited (26 slots max) - local
Analogue I/O number:
- Unlimited (26 slots max) - local
- Unlimited (31 drops of 28 slots max) - ethernet remote I/O
- 500 inputs, 500 outputs - distributed - per network Modbus Plus
- 1984 inputs, 1984 outputs - remote
Application specific I/O:
- Accurate time stamping
- Counter
- High-speed interrupt inputs
- Serial link
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

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.

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### Integrated connection type
- 1 Modbus Plus with
- 1 Ethernet TCP/IP with
- 1 Modbus with
- 1 USB with

### Checks
- Process control

### Memory description
- Internal RAM 11264 kB - program and data
- Expandable 8 MB - file storage with PCMCIA card

### 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 auxiliary tasks -

### Number of instructions per ms
- 10.28 Kinst/ms if 100 % Boolean
- 10.07 Kinst/ms if 65 % Boolean and 35 % numerical

### System overhead
- 1 ms - master task
- 0.2 ms - fast task

### Bus current requirement
- 2760 mA

### Local signalling
- 1 LED green for Ethernet activity (COM)
- 1 LED red for Ethernet collision

### Electrical connection
- 1 connector, connector type: RJ45 for connecting Ethernet network
- 1 connector, connector type: RJ45 for connecting Modbus bus
- 1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network

### Environment

#### Protective treatment
- Conformal coating Humiseal 1A33

#### Product certifications
- CE
- CSA
- GOST
- UL
- Misc (Marine)

#### Standards
- HazLoc

### Offer Sustainability

#### Sustainable offer status
- Green Premium product

#### RoHS (date code: YYWW)
- Compliant - since 1625 - Schneider Electric declaration of conformity

#### REACh
- Reference not containing SVHC above the threshold

### Product environmental profile
- Available

### Product end of life instructions
- Available

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140CPU65860 is replaced by:

**Standard environment BMEP585040**

processor module M580 - Level 5 - Remote

**Qty 1**

Reason for Substitution: End of life | Substitution date: 31 December 2018 | Not same dimensions/design - more perf, but not same architectures (RIO counts different)