# Product data sheet

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

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### Characteristics

<table>
<thead>
<tr>
<th>Main</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Modicon Quantum automation platform</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Unity processor</td>
</tr>
</tbody>
</table>

### Complementary

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock frequency</td>
<td>266 MHz</td>
</tr>
<tr>
<td>Number of slots</td>
<td>10, 16, 2, 4, 6</td>
</tr>
<tr>
<td>Number of racks</td>
<td>2 - local rack(s)</td>
</tr>
<tr>
<td>Number of distributed I/O station</td>
<td>63 station(s) - 1 rack(s) - 1 Modbus Plus network(s)</td>
</tr>
<tr>
<td>Number of remote I/O station</td>
<td>31 - 2 S908 remote I/O rack(s), 31 - 2 ethernet Quantum remote I/O rack(s), 31 - 2 ethernet X80 remote I/O rack(s)</td>
</tr>
<tr>
<td>Discrete I/O number</td>
<td>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</td>
</tr>
<tr>
<td>Analogue I/O number</td>
<td>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</td>
</tr>
</tbody>
</table>
| 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 |

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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.
### Integrated connection type
- 6 (Modbus Plus) - local
- 6 (Profibus DP) - local
- 1 (Modbus) - RS232/485 Modbus/ASCII

### 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
- **REACHe**: Reference not containing SVHC above the threshold
- **Product environmental profile**: Available
- **Product end of life instructions**: Available

### 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)