

# Product datasheet

Specifications



## Unity processor Modicon Quantum - 11 MB - 266 MHz - coated

140CPU65860C

⚠ Discontinued on: 29 Nov 2021

⚠ End-of-service on: 01 Jan 2025

⚠ Discontinued - Service only

Price: 477,918.00 ZAR

### Main

|                           |                                     |
|---------------------------|-------------------------------------|
| Range of product          | Modicon Quantum automation platform |
| Product or component type | Unity processor                     |

### Complementary

|                                   |                                                                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clock frequency                   | 266 MHz                                                                                                                                                                                                              |
| Number of slots                   | 16<br>4<br>2<br>10<br>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 rack(s) per S908 remote I/O<br>31 - 2 rack(s) per ethernet Quantum remote I/O<br>31 - 2 rack(s) per ethernet X80 remote I/O                                                                                   |
| Discrete I/O number               | 8000 inputs, 8000 outputs - distributed - per network Modbus Plus<br>Unlimited (26 slots max) - local<br>Unlimited (31 drops of 28 slots max) - ethernet remote I/O<br>31744 inputs, 31744 outputs - S908 remote I/O |
| Analogue I/O number               | 500 inputs, 500 outputs - distributed - per network Modbus Plus<br>Unlimited (26 slots max) - local<br>Unlimited (31 drops of 28 slots max) - ethernet remote I/O<br>1984 inputs, 1984 outputs - remote              |
| Application specific I/O          | Counter<br>Accurate time stamping<br>High-speed interrupt inputs<br>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<br>2 AS-Interface - distributed<br>4 AS-Interface - remote<br>6 Ethernet TCP/IP - local<br>6 Modbus Plus - local<br>6 Profibus DP - local<br>1 Modbus (RS232/485 Modbus/ASCII)                                 |
| Integrated connection type        | 1 Modbus Plus with<br>1 Ethernet TCP/IP with<br>1 Modbus with<br>1 USB with                                                                                                                                          |
| Checks                            | Process control                                                                                                                                                                                                      |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                               |                                                                                                                                                                                                                           |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Memory description            | Expandable 8 MB - file storage with PCMCIA card<br>Internal RAM 11264 kB - program and data                                                                                                                               |
| Switch function               | Key switch memory port on/off                                                                                                                                                                                             |
| Application structure         | 1 cyclic/periodic master task -<br>1 periodic fast task -<br>128 I/O interrupt tasks -<br>128 interrupt tasks -<br>32 timer interrupt tasks -<br>4 auxiliary tasks -                                                      |
| Number of instructions per ms | 10.28 Kinst/ms 100 % Boolean<br>10.07 Kinst/ms 65 % Boolean and 35 % numerical                                                                                                                                            |
| System overhead               | 0.2 ms for fast task<br>1 ms for master task                                                                                                                                                                              |
| Bus current requirement       | 2760 mA                                                                                                                                                                                                                   |
| Local signalling              | 1 LED (green) for Ethernet activity (COM)<br>1 LED (red) for Ethernet collision                                                                                                                                           |
| Electrical connection         | 1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network<br>1 connector, connector type: RJ45 for connecting Ethernet network<br>1 connector, connector type: RJ45 for connecting Modbus bus |

## Environment

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

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 11.0 cm  |
| Package 1 Width              | 18.5 cm  |
| Package 1 Length             | 32.5 cm  |
| Package 1 Weight             | 1.467 kg |



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

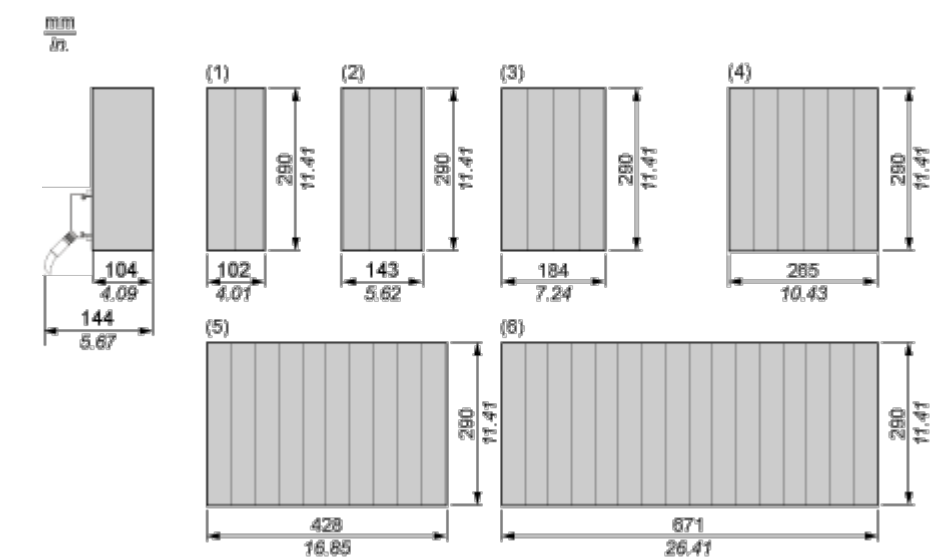
### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

Dimensions Drawings

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