

# Product data sheet

Specifications



## Unity processor Modicon Quantum - 3072 kB - 266 MHz - coated

140CPU65260C

! Discontinued on: 31 December 2018

! To be end-of-service on: 31 December 2026

! Discontinued - Service only

### Main

**Range of product** Modicon Quantum automation platform

**Product or component type** Unity processor

### Complementary

**Clock frequency** 266 MHz

**Number of slots**  
10  
16  
6  
2  
4

**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  
31 - 2 rack(s) per ethernet Quantum remote I/O  
31 - 2 rack(s) per ethernet X80 remote I/O

**Discrete I/O number**  
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  
31744 inputs, 31744 outputs - S908 remote I/O

**Analogue I/O number**  
500 inputs, 500 outputs - distributed - per network Modbus Plus  
Unlimited (26 slots max) - local  
Unlimited (31 drops of 28 slots max) - ethernet remote I/O  
1984 inputs, 1984 outputs - remote

**Application specific I/O**  
Counter  
High-speed interrupt inputs  
Accurate time stamping  
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  
6 Modbus Plus - local  
6 Profibus DP - local  
1 Modbus (RS232/485 Modbus/ASCII)

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

**Checks** Process control

<b>Memory description</b>	Expandable 7168 kB - program with PCMCIA card Expandable 8 MB - file storage with PCMCIA card Internal RAM 3072 kB
<b>Switch function</b>	Key switch memory port on/off
<b>Application structure</b>	1 cyclic/periodic master task - 1 periodic fast task - 128 I/O interrupt tasks - 128 interrupt tasks - 32 timer interrupt tasks - 4 auxiliary tasks -
<b>Number of instructions per ms</b>	10.28 Kinst/ms 100 % Boolean 10.07 Kinst/ms 65 % Boolean and 35 % numerical
<b>System overhead</b>	0.2 ms for fast task 1 ms for master task
<b>Bus current requirement</b>	2760 mA
<b>Local signalling</b>	1 LED (green) for Ethernet activity (COM) 1 LED (red) for Ethernet collision
<b>Electrical connection</b>	1 female connector, connector type: SUB-D 9 for connecting to the Modbus Plus network 1 connector, connector type: RJ45 for connecting Ethernet network 1 connector, connector type: RJ45 for connecting Modbus bus

## Environment

<b>Protective treatment</b>	Conformal coating Humiseal 1A33
<b>Product certifications</b>	Misc (Marine) CSA CE GOST ATEX zone 2 IEC-Ex UL
<b>Standards</b>	HazLoc

## Packing Units

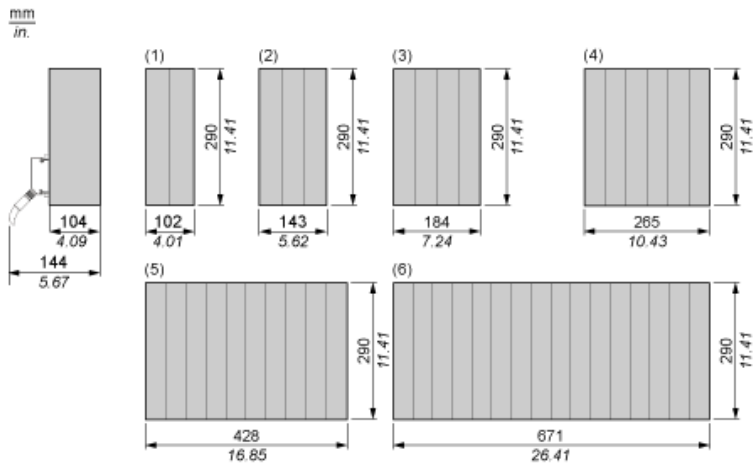
<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	11.0 cm
<b>Package 1 Width</b>	19.0 cm
<b>Package 1 Length</b>	32.5 cm
<b>Package 1 Weight</b>	1.483 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	2
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	3.481 kg

## Contractual warranty

<b>Warranty</b>	18 months
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**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

**Recommended replacement(s)**

140CPU65260C is replaced by:



Standalone processor, Modicon M580, 24MB, 61 Ethernet devices, 31 Remote I/O racks, conformal coating (X80 & Quantum)

BMEP585040C