

# Product datasheet

Specifications



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

140CPU65860

### Main

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

### Complementary

Clock frequency	266 MHz
Number of slots	10 16 4 2 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 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	Serial link High-speed interrupt inputs Counter Accurate time stamping
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
Memory description	Expandable 8 MB - file storage with PCMCIA card Internal RAM 11264 kB - program and data
Switch function	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>	CSA UL GOST CE Misc (Marine)
<b>Standards</b>	HazLoc

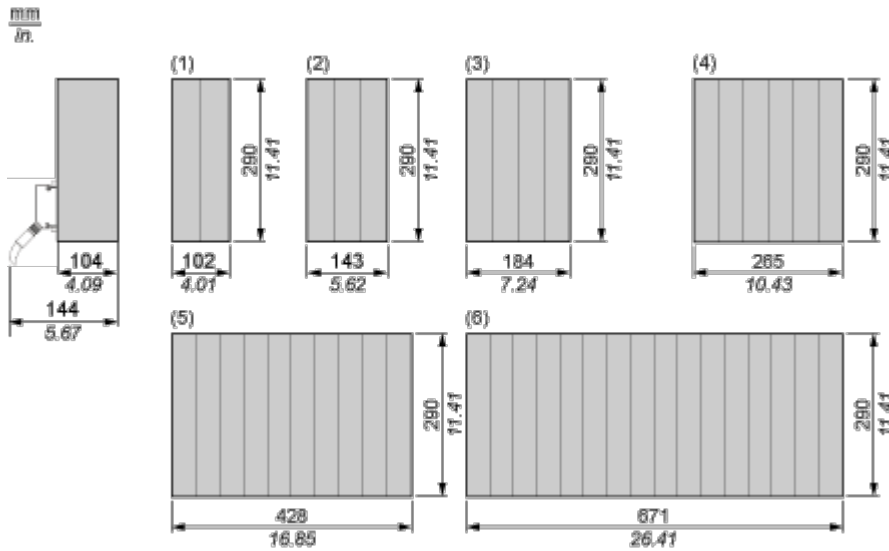
## Packing Units

<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>	18.5 cm
<b>Package 1 Length</b>	32.5 cm
<b>Package 1 Weight</b>	1.467 kg

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