

Product data sheet

Specifications



Unity processor Modicon Quantum - 1024 kB - 266 MHz - coated

140CPU65160C

⚠ Discontinued on: Dec 31, 2018

⚠ To be end-of-service on: Dec 31, 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	16 2 4 6 10
Number of racks	2 - local
Number of distributed I/O station	63 1 3 Modbus Plus
Number of remote I/O station	31 - 2 S908 remote I/O 31 - 2 ethernet Quantum remote I/O 16 - 2 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	Accurate time stamping Serial link High-speed interrupt inputs Counter
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 1 Ethernet TCP/IP 1 Modbus 1 USB
Checks	Process control

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 7168 kB - program with PCMCIA card Expandable 8 MB - file storage with PCMCIA card Internal RAM 1024 kB
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 100 % Boolean 10.07 Kinst/ms 65 % Boolean and 35 % numerical
System overhead	0.2 ms fast task 1 ms master task
Bus current requirement	2760 mA
Local signalling	1 LED (green) for Ethernet activity (COM) 1 LED (red) for Ethernet collision
Electrical connection	1 female connector SUB-D 9 for connecting to the Modbus Plus network 1 connector RJ45 for connecting Ethernet network 1 connector RJ45 for connecting Modbus bus

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.3 in (11.0 cm)
Package 1 Width	7.3 in (18.5 cm)
Package 1 Length	12.8 in (32.5 cm)
Package 1 Weight	3.22 lb(US) (1.46 kg)

Contractual warranty

Warranty (in months)	18
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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 >](#)

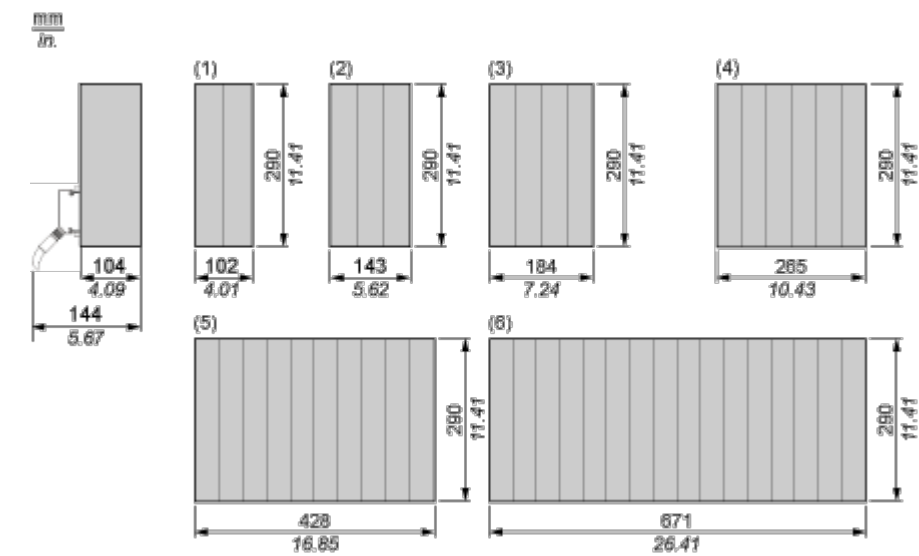
Use Longer

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