

Product data sheet

Specifications



Unity processor Modicon Quantum - 768 kB - 166 MHz - coated

140CPU65150C

-  **Discontinued on:** 31/12/2018
-  **To be end-of-service on:** 31/12/2026

 **Discontinued - Service only**

Main

Range Of Product	Modicon Quantum automation platform
Product Or Component Type	Unity processor

Complementary

Clock Frequency	166 MHz
Number Of Slots	10 4 2 6 16
Number Of Racks	2 - local rack(s)
Number Of Distributed I/O Station	63 station(s) - 1 rack(s) - 3 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 16 - 2 rack(s) per ethernet X80 remote I/O
Discrete I/O Number	31744 inputs, 31744 outputs - remote 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
Analogue I/O Number	500 inputs, 500 outputs - distributed - per network Modbus Plus 1984 inputs, 1984 outputs - S908 remote I/O Unlimited (26 slots max) - local Unlimited (31 drops of 28 slots max) - ethernet remote I/O
Application Specific I/O	Accurate time stamping High-speed interrupt inputs Serial link 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 with 1 Ethernet TCP/IP with 1 Modbus with 1 USB with
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 768 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 for fast task 1 ms for master task
Bus Current Requirement	2160 mA
Local Signalling	1 LED (green) for Ethernet activity (COM) 1 LED (red) for Ethernet collision
Electrical Connection	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

Protective Treatment	Conformal coating Humiseal 1A33
Product Certifications	UL IEC-Ex ATEX zone 2 CE GOST Misc (Marine) CSA
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	1.423 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.433 kg

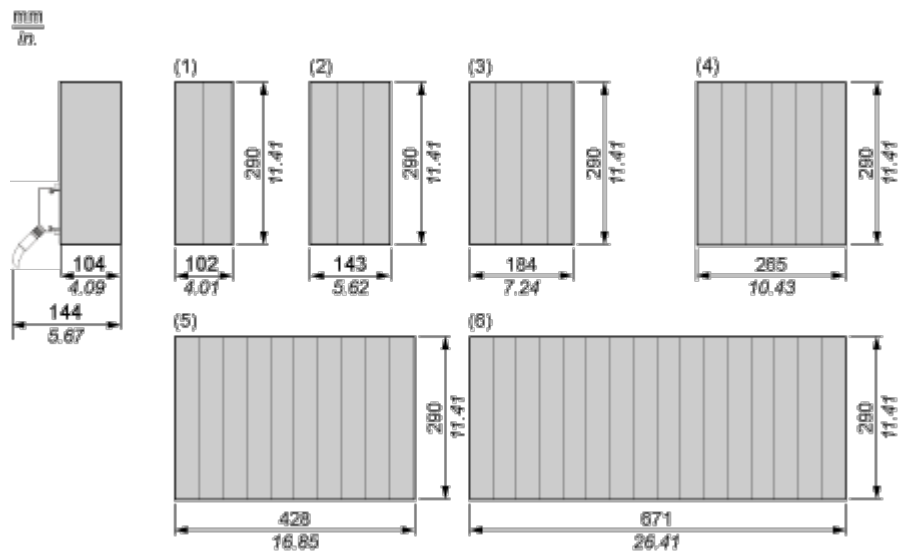
Contractual warranty

Warranty	18 months
----------	-----------

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