

Product data sheet

Specifications



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

140CPU65150C

⚠ Discontinued on: Dec 31, 2018

⚠ To be end-of-service on: Dec 31, 2026

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

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
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	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 1 Ethernet TCP/IP 1 Modbus 1 USB
Checks	Process control

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 fast task 1 ms master task
Bus Current Requirement	2160 mA
Local Signalling	for Ethernet activity (COM) 1 LED (green) for Ethernet collision 1 LED (red)
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	UL IEC-Ex ATEX zone 2 CE GOST Misc (Marine) CSA
Standards	HazLoc

Ordering and shipping details

Category	US1PC2118150
Discount Schedule	PC21
Gtin	3595863839876
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.33 in (11.0 cm)
Package 1 Width	7.28 in (18.5 cm)
Package 1 Length	12.80 in (32.5 cm)
Package 1 Weight	3.14 lb(US) (1.423 kg)
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)

Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	7.57 lb(US) (3.433 kg)

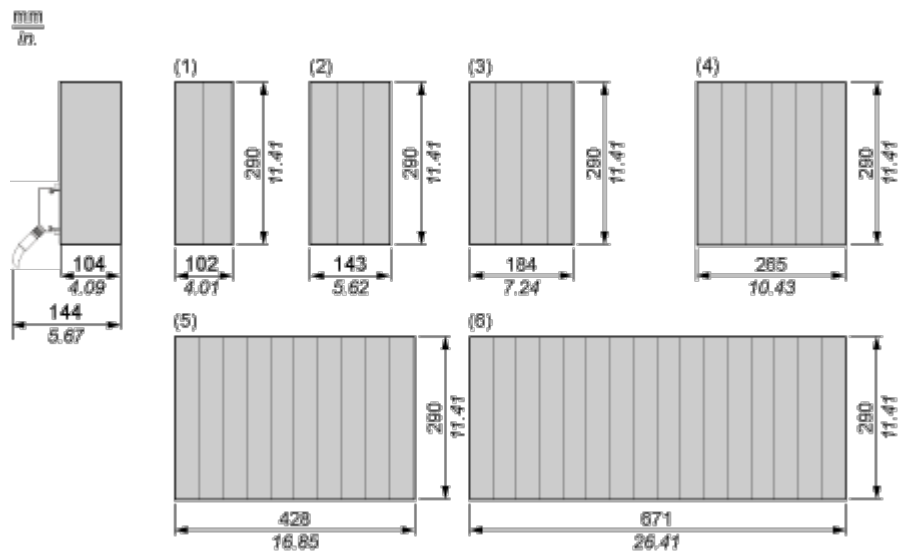
Contractual warranty

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