

Product data sheet

Specifications



Unity Hot Standby processor with multimode Ethernet - 1024 kB - 266 MHz

140CPU67160

⚠ Discontinued on: Dec 31, 2018

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

⚠ Discontinued - Service only

Product availability: Stock - Normally stocked in distribution facility

Main

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

Complementary

Mode Of Transmission	Multi mode
Clock Frequency	266 MHz
Number Of Slots	2 10 16 4 6
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 (31 drops of 28 slots max) - ethernet remote I/O 0 - local - forbidden in Hot Standby application
Analogue I/O Number	500 inputs, 500 outputs - distributed - per network Modbus Plus Unlimited (31 drops of 28 slots max) - ethernet remote I/O 1984 inputs, 1984 outputs - remote 0 - local - forbidden in Hot Standby application
Application Specific I/O	High-speed interrupt inputs Serial link Accurate time stamping 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)

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

Integrated Connection Type	1 Modbus Plus 1 Modbus 1 USB 1 optic fibre Hot Standby
Checks	Process control Hot standby
Memory Description	Expandable 7168 kB - program with PCMCIA card Expandable 8 MB - file storage with PCMCIA card Internal RAM 1024 kB - 512 kB for data
Switch Function	Key switch memory port on/off
Application Structure	1 periodic fast task - forbidden in Hot Standby application 128 I/O interrupt tasks - forbidden in Hot Standby application 128 interrupt tasks - forbidden in Hot Standby application 32 timer interrupt tasks - forbidden in Hot Standby application 4 auxiliary tasks - forbidden in Hot Standby application 1 cyclic/periodic master task -
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	2500 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 Modbus bus 1 connector MT-RJ (multimode fiber optic) for interconnecting primary and secondary PLCs up to 4 km

Environment

Product Certifications	CE UL Misc (Marine) CSA GOST
Standards	HazLoc

Ordering and shipping details

Category	18150 - QUANTUM CONTROLLERS,HSBY,COMM.
Discount Schedule	PC21
Gtin	3595863819380
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	7.48 in (19.0 cm)
Package 1 Length	12.80 in (32.5 cm)
Package 1 Weight	3.19 lb(US) (1.447 kg)
Unit Type Of Package 2	S04
Number Of Units In Package 2	6

Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	21.23 lb(US) (9.629 kg)

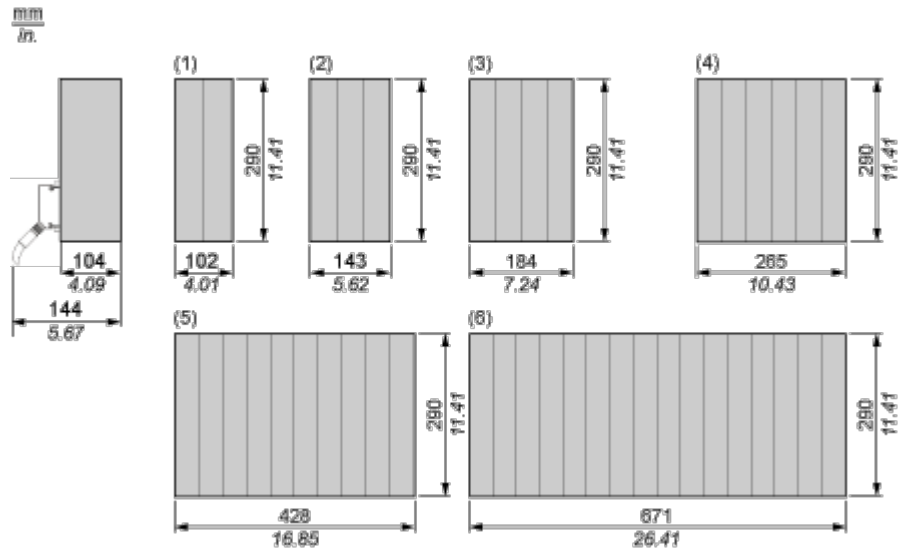
Contractual warranty

Warranty	18 months
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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