



Commercial status

Discontinued: 31 December 2018

ⓘ Restricted Sales for Services

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 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	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 with 1 Ethernet TCP/IP with 1 Modbus with

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

	1 USB with
Checks	Process control
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 for fast task 1 ms for master task
Bus current requirement	2760 mA
Local signalling	1 LED (green)Ethernet activity (COM): 1 LED (red)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	IEC-Ex UL CSA CE Misc (Marine) GOST ATEX zone 2
Standards	HazLoc

Contractual warranty

Warranty	18 months
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140CPU65160C is replaced by:



Harsh environment BMEP582040H

processor module M580 - Level 2 - Remote Harsh

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018