



Main

Range of product	Modicon M340 automation platform
Product or component type	Processor module
Concept	CANopen Transparent Ready
Number of racks	4
Number of slots	11
Discrete I/O processor capacity	1024 I/O multi-rack configuration 704 I/O single-rack configuration
Analogue I/O processor capacity	256 I/O multi-rack configuration 66 I/O single-rack configuration
Number of application specific channel	36

Complementary

Control channels	Programmable loops
Motion control	Independent axis CANopen
Integrated connection type	USB port 12 Mbit/s CANopen master bus SUB-D 9 20 kbit/s...1 Mbit/s 2 twisted shielded pairs Ethernet TCP/IP RJ45 10/100 Mbit/s 1 twisted pair
Communication module processor capacity	2 Ethernet communication module 4 AS-Interface module
Communication service	Bandwidth management, Ethernet TCP/IP Data Editor, Ethernet TCP/IP Modbus TCP messaging, Ethernet TCP/IP Rack Viewer, Ethernet TCP/IP SNMP network administrator, Ethernet TCP/IP Network management (NMT) CANopen Process Data Object (PDO) CANopen Service Data Object (SDO) CANopen Special functions (SYNC, EMCY, TIME) CANopen
Port Ethernet	10BASE-T/100BASE-TX
Transmission rate	1 Mbit/s 0...65.62 ft (0...20 m) 0...1.97 ft (0...0.6 m) 125 kbit/s 0...1640.42 ft (0...500 m) 0...32.81 ft (0...10 m) 20 kbit/s 0...8202.1 ft (0...2500 m) 0...984.25 ft (0...300 m) 250 kbit/s 0...820.21 ft (0...250 m) 0...32.81 ft (0...10 m) 50 kbit/s 0...3280.84 ft (0...1000 m) 0...393.7 ft (0...120 m) 500 kbit/s 0...328.08 ft (0...100 m) 0...32.81 ft (0...10 m) 800 kbit/s 0...131.23 ft (0...40 m) 0...19.69 ft (0...6 m)
Bus type	CANopen M20 DS 301 V4.02 devices linked by daisy-chaining or tap junctions CSMA/CA CANopen M20 DS 303-2 devices linked by daisy-chaining or tap junctions CSMA/CA CANopen M20 DS 405 devices linked by daisy-chaining or tap junctions CSMA/CA
Number of slave	63 CANopen
Number of devices per segment	16 <= 205 m CANopen 32 <= 185 m CANopen 64 <= 160 m CANopen
Memory description	Supplied memory card (BMXRMS008MP) activation of standard web server, class B10 Supplied memory card (BMXRMS008MP) backup of programs, constants, symbols and data 4096 kB internal RAM 256 kB internal RAM data 3584 kB internal RAM program constants and symbols
Maximum size of object areas	256 kB unlocated internal data 32634 %Mi located internal bits
Default size of object areas	1024 %MWi internal words located internal data 256 %KW constant words located internal data

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

	512 %Mi located internal bits
Application structure	1 cyclic/periodic master task 1 periodic fast task 64 event tasks No auxiliary task
Execution time per instruction	0.12 µs Boolean 0.17 µs double-length words 0.25 µs single-length words 1.16 µs floating points
Number of instructions per ms	6.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic 8.1 Kinst/ms 100 % Boolean
System overhead	0.13 ms fast task 0.7 ms master task
Current consumption	135 mA 24 V DC
Supply	Internal power supply via rack
Marking	CE
Status LED	1 LED green activity on Ethernet network (ETH ACT) 1 LED green integrated machine/installation bus operational (CAN RUN) 1 LED green processor running (RUN) 1 LED green status of Ethernet network (ETH STS) 1 LED red data rate (ETH 100) 1 LED red I/O module fault (I/O) 1 LED red integrated machine/installation bus fault (CAN ERR) 1 LED red memory card fault (CARD ERR) 1 LED red processor or system fault (ERR) 1 LED yellow activity on Modbus (SER COM)
Product weight	0.47 lb(US) (0.215 kg)

Environment

ambient air temperature for operation	32...140 °F (0...60 °C)
relative humidity	10...95 % without condensation
IP degree of protection	IP20
protective treatment	TC
directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201

Offer Sustainability

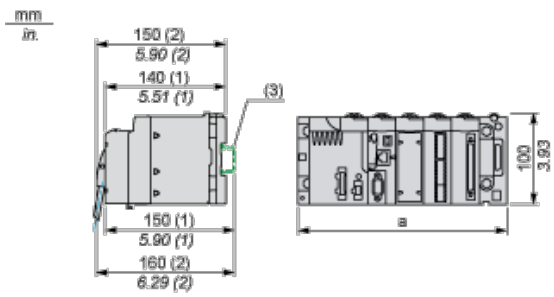
Green Premium product	Green Premium product
Compliant - since 0901 - Schneider Electric declaration of conformity	Compliant - since 0901 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Modules Mounted on Racks

Dimensions



- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81