Product data sheet

Specifications

standalone processor, Modicon M580, 24MB, 61 Ethernet devices, 31 remote IO racks of X80 and Quantum

BMEP585040

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

Main

Range Of Product	Modicon M580
Product Or Component Type	Processor module

Complementary

Number Of Racks	8
Local I/O Processor Capacity (Discrete)	5120 I/O
Local I/O Processor Capacity (Analog)	1280 I/O
Number Of Application Specific Channel (Local Rack)	180
Application Specific I/O	Counter SSI encoder Motion control Serial link HART Accurate time stamping
Checks	Process control
Control Channels	Programmable loops
Integrated Connection Type	1 Ethernet TCP/IP service port 2 Ethernet TCP/IP device network USB type mini B
Number Of Remote I/O Station	31 - 2 remote drop
Number Of Distributed Equipment	64
Communication Module Processor Capacity	8 AS-Interface module 6 Ethernet communication module
Communication Service	DIO scanner RIO scanner
Memory Description	Expandable flash, 4 GB data storage Integrated RAM, 10 kB system memory Integrated RAM, 24 MB program Integrated RAM, 4096 kB data
Application Structure	1 periodic fast task 128 event tasks 1 cyclic/periodic master task 2 auxiliary tasks

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

Cybersecurity	Achilles certified
	DoS prevention
	IPSec
	SNMP logging
	Syslog protocol support
	Transport layer security
	Audit trail
	Embedded firewall
	Firmware signature
	Password protection
	Port hardening
	Secure communiction (HTTPS)
	Security log
Number Of Instructions Per Ms	40 Kinst/ms 100 % Boolean
	60 Kinst/ms 65 % Boolean + 35 % fixed arithmetic
Current Consumption	300 mA 24 V DC
Mtbf Reliability	775000 H
Marking	CE

Environment

Vibration Resistance	3 gn
Shock Resistance	30 gn
Ambient Air Temperature For Operation	32…140 °F (0…60 °C)
Ambient Air Temperature For Storage	-40…185 °F (-40…85 °C)
Operating Altitude	0...6561.68 ft (0...2000 m)
	2000...5000 m with derating factor
Relative Humidity	5…95 % 131 °F (55 °C) without condensation
Ip Degree Of Protection	IP20
Directives	2014/35/EU - low voltage directive
	2014/30/EU - electromagnetic compatibility
Product Certifications	CE
	UL
	CSA
	RCM
	EAC
	Merchant Navy
Standards	IEC 61131-2
	IEC 61010-2-201
	UL 61010-2-201
	CSA C22.2 No 61010-2-201
	IACS E10
	EN/IEC 61000-6-5, interface type 1 and type 2
	EN/IEC 61850-3, location G
Environmental Characteristic	Hazardous location class I division 2
Supply	Internal power supply via rack
Status Led	1 LED (Green) processor running (RUN)
	1 LED (Red) processor or system fault (ERR)
	1 LED (Red) I/O module fault (I/O)
	1 LED (Green) download in progress (DL)
	1 LED (Red) memory card or CPU flash fault (BACKUP)
	1 LED (green/red) ETH MS (Ethernet port configuration status)
	1 LED (green/red) Eth NS (Ethernet network status)
	1 LED (Green) I/O values overridden by user (FORCED IO)
Net Weight	1.87 lb(US) (0.849 kg)

Ordering and shipping details

Category	US1PC3418161

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Discount Schedule	PC34
Gtin	3606485440033
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.46 in (8.8 cm)
Package 1 Width	7.01 in (17.8 cm)
Package 1 Length	9.92 in (25.2 cm)
Package 1 Weight	31.01 oz (879.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
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	12.60 lb(US) (5.714 kg)

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance
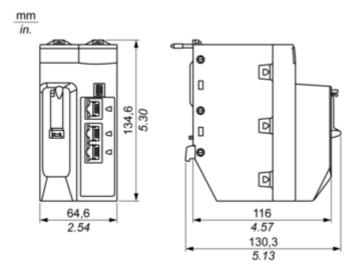
✓ Mercury Free

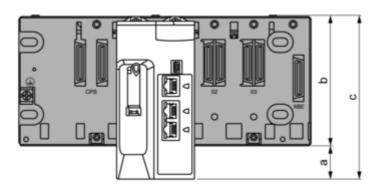✓ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
California Proposition 65	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. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

CPU Module Only

mm / in.

134,6 / 5.30

64,6 / 2.54

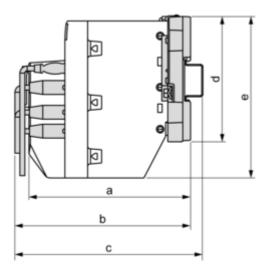116 / 4.57

130,3 / 5.13

Modules Mounted on Racks

a: additional space below the rack to accommodate the height of the CPU. For an X Bus rack, the value is 30.9 mm (1.217 in.); for an Ethernet rack, the value is 29.49 mm (1.161 in.).
b: the height of the rack. For an X Bus rack, the height is 103.7 mm (4.083 in.); for an Ethernet rack, the height is 105.11 mm (4.138 in.).
c: the height of the main local rack, 134.6 mm (5.299 in.)

Modules and Cables Mounted in an Enclosure

a: enclosure depth: 135 mm (5.315 in.)
b: wiring + module depth: > 146 mm (5.748 in.)
c: wiring + module + DIN rail depth: > 156 mm (6.142 in.)
d: rack height: for an X Bus rack 103.7 mm (4.083 in.); for an Ethernet rack, 105.11 mm (4.138 in.)
e: module height: 134.6 mm (5.299 in.)