

Modicon M580 automation platform

Processor modules

1

PF12512



BMEP580000

Modicon M580 processors

Local I/O capacity	Maximum number of Ethernet modules	Device ports	Service port	Reference	Weight kg/lb
1,024 discrete I/O 256 analog I/O 24 application-specific channels 4 MB integrated (memory program)	2 Ethernet networks	2 DIO	1	BMEP581020	0.849/ 1.872
2,048 discrete I/O 512 analog I/O 32 application-specific channels 8 MB integrated (memory program)	2 Ethernet networks	2 DIO	1	BMEP582020	0.849/ 1.872
		2 RIO/DIO	1	BMEP582040	0.849/ 1.872
3,072 discrete I/O 768 analog I/O 64 application-specific channels 12 MB integrated (memory program)	3 Ethernet networks	2 DIO	1	BMEP583020	0.849/ 1.872
		2 RIO/DIO	1	BMEP583040	0.849/ 1.872
4,096 discrete I/O 1,024 analog I/O 64 application-specific channels 16 MB integrated (memory program)	4 Ethernet networks	2 DIO	1	BMEP584020	0.849/ 1.872
		2 RIO/DIO	1	BMEP584040	0.849/ 1.872
5,120 discrete I/O 1,280 analog I/O 180 application-specific channels 24 MB integrated (memory program)	6 Ethernet networks	2 RIO/DIO	1	BMEP585040	0.849/ 1.872
6,144 discrete I/O 1,536 analog I/O 216 application-specific channels 64 MB integrated (memory program)	6 Ethernet networks	2 RIO/DIO	1	BMEP586040	0.849/ 1.872

PF106120



BMXRMS004GPF

SD memory card

Description	Processor compatibility	Capacity	Reference	Weight kg/lb
SD memory card (optional) (1)	All processors	4 GB (for application backup and data storage)	BMXRMS004GPF	0.002/ 0.004

PF106185



BMXXCAUSBH000

Separate parts

Description	Use		Length m/ft.	Reference	Weight kg/lb
	From	To			
Terminal port/USB cordsets	Mini-B USB port on Modicon M580 processor	Type A USB port on:	1.8/5.905	BMXXCAUSBH018	0.065/ 0.143
		- PC terminal - Magelis HMI graphic terminal	4.5/14.764	BMXXCAUSBH045	0.110/ 0.243

(1) Memory card, used for:
 - Backing up the program, constants, symbols, and data
 - File storage

Modicon M580 automation platform
Redundant processor modules

PF151916A



BMEH580000



BMEH580040K Hot Standby kits

Reference (1)					
Modicon M580 redundant processors					
Memory capacity	Maximum number of Ethernet modules	Device ports	Service port	Reference	Weight kg/lb
8 MB integrated (memory program)	2 Ethernet networks	2 RIO/DIO	1	BMEH582040	0.849/1.872
16 MB integrated (memory program)	4 Ethernet networks	2 RIO/DIO	1	BMEH584040	0.849/1.872
64 MB integrated (memory program)	6 Ethernet networks	2 RIO/DIO	1	BMEH586040	0.849/1.872
Accessories					
Description	Use	Cable medium	Reference	Weight kg/lb	
HSBY link SFP socket (one reference for one socket)	To be inserted in pair in 2 BMEH58●●40 redundant processors	RJ45 copper	490NAC0100		—
	To be inserted in pair in 2 BMEH58●●40 redundant processors	Single-mode fiber	490NAC0201		—
Hot Standby kits					
Description	Composition		Reference	Weight kg/lb	
Hot Standby kits with 2 HSBY processors and 2 SFP sockets	- 2 BMEH582040 redundant M580 processors - 2 490NAC0100 RJ45 SFP sockets		BMEH582040K		—
	- 2 BMEH584040 redundant M580 processors - 2 490NAC0100 RJ45 SFP sockets		BMEH584040K		—

(1) For additional characteristics, see our website www.schneider-electric.com.