

Modicon M580/M340 platforms and Modicon X80 modules

Product compatibility according to network architecture and platform

For safety product compatibility, please refer to [page 5/4](#)

Product type	Product main feature	Commercial reference ⁽¹⁾	Module type	Connection type		Modicon M340	Modicon M580						Modicon M580 / M340		
				Terminal block ⁽²⁾	Connector with preassembled cordset ⁽³⁾		Local rack with CPU				Modicon X80 drops on Ethernet remote I/O			Modicon X80 drops on distributed I/O	
							Standalone CPU		Redundant CPU		Standalone or redundant CPU			N/A	
							X-bus backplane ⁽⁴⁾ BMXXBP●●●●	X-bus + Ethernet backplane BMEXBP●●●●	X-bus backplane ⁽⁴⁾ BMXXBP●●●●	X-bus + Ethernet backplane BMEXBP●●●●	X-bus backplane BMXXBP●●●●		X-bus + Ethernet backplane BMEXBP●●●●	X-bus backplane BMXXBP●●●● and X-bus + Ethernet backplane BMEXBP●●●●	
											BMXCRA31200	BMXCRA31210		BMECRA31210	BMXPRA0100
Modicon X80 Analog modules	Analog High-level Input	BMXAMI0410 (H)	4 voltage/current inputs	20											
		BMXAMI0800	8 voltage/current inputs	28											
		BMXAMI0810 (H)	8 voltage/current inputs	28											
		BMEAHIO812 (H)	8 current inputs, HART	20											
	Analog Low-level Input	BMXART0414 (H)	4 RTD, thermocouple and voltage inputs		40										
		BMXART0814 (H)	8 RTD, thermocouple and voltage inputs		40										
	Analog Mixed I/O	BMXAMM0600 (H)	4 voltage/current inputs & 2 voltage/current outputs	20											
	Analog High-level Output	BMXAMO0210 (H)	2 voltage/current outputs	20											
		BMXAMO0410 (H)	4 voltage/current outputs	20											
		BMXAMO0802 (H)	8 current outputs	20											
		BMEAHO0412 (C)	4 current outputs, HART	20											
Modicon X80 Expert modules	SSI encoder interface	BMXEAE0300 (H)	3 channels	28											
	Counter	BMXEHC0200 (H)	2 channels	2x16,10											
		BMXEHC0800 (H)	8 channels	20											
	Time Stamping	BMXERT1604T/H	16 inputs , 24...125 V ~	28											
	Motion Control	BMXMSP0200	2 channels	28											
	Frequency Input	BMXETM0200H	2 channels	28											
	Weighing ⁽⁵⁾	PMESWT0100	1 channel												
Communication modules ⁽⁶⁾	Modicon X80	BMXNOM0200 (H)	Serial link												
		BMXEIA0100	AS-Interface												
		BMECXM0100 (H)	CANopen												
		BMXNRP0200 (C)	Fiber converter Multimode												
		BMXNRP0201 (C)	Fiber converter Singlemode												
		PMEPXM0100 (H)	PROFIBUS DP												
		BMENOS0300 (C)	Ethernet switch												
	Modicon M580	BMENOC0301 (C)	Ethernet												
		BMENOC0311 (C)	Ethernet FactoryCast												
		BMENOC0321 (C)	Ethernet control router												
		BMENOP0300	IEC 61850												
		BMXNGD0100	Ethernet Global Data												
		BMENUA0100 (H)	OPC UA												
		BMENOR2200H	Advanced RTU												
	Modicon M580/M340	BMXNOR0200H	RTU												
	Modicon M340	BMXNOE0100 (H)	Ethernet												
		BMXNOE0110 (H)	Ethernet FactoryCast												
		BMXNOC0401	Ethernet												
	Modicon X80 I/O expansion modules	RIO drop adapter	BMXCRA31200	X-bus, Standard											
			BMXCRA31210 (C)	X-bus, Performance											
BMECRA31210 (C)			Ethernet, Performance												
DIO drop adapter		BMXPRA0100	Peripheral												

(1) Optional versions: (C) - "Coated", (H) - "Hardened", and (T) - "Extended Temperature"

(2) 20: 20-way caged, screw clamp, or spring-type removable terminal block **BMXFTB20●0**
28: 28-way caged or spring-type removable terminal block **BMXFTB28●0**
40: 40-way caged or spring-type removable terminal block **BMXFTB40●0**
2x16, 10: **BMXXTSHSC20** kit, containing two 16-way connectors and one 10-way connector

(3) 40: One 40-way connector
2x40: Two 40-way connectors

(4) **BMXXBP●●●●** with PV02 or later required

(5) Products by our Technology Partners; see more information on

(6) According to the module type, communication module description is included within Modicon X80 catalog, Modicon M580 catalog, or Modicon M340 catalog.

Compatible Not compatible