Modicon X80 I/O platform

Product compatibility according to network architecture

Product type	X80 module reference	Short description of X80 module	M340	M580								M340 + M580 + Quantum + Premium
				Local rack with CPU				X80 drops on Ethernet remote I/O				X80 drops on distributed I/O
				Standalone		HSBY		Standalone or HSBY X-bus rack BMXXBP●●●●		Standalone X-bus + Ethernet rack BMEXBP●●●●	HSBY X-bus + Ethernet rack BMEXBP●●●●	X-bus rack BMXXBP●●●●
				X-bus rack *(1)* BMXXBP●●●●	X-bus + Ethernet rack BMEXBP●●●●	X-bus rack *(1)* BMXXBP●●●●	X-bus + Ethernet rack BMEXBP●●●●	BMXCRA31200	BMXCRA31210	BMECRA31210		BMXPRA0100
Power supplies	BMXCPS2000	Power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS2010	Power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS3020 (H)	Power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS3500 (H)	Power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS3540 (T)	Power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS4002 (H)	Redundant power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS4022 (H)	Redundant power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXCPS3522 (H)	Redundant power supply	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
Backplanes	BMXXBP0400 (H)	X-bus backplane	Compatible	Compatible	Not compatible	Compatible	Not compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible
	BMXXBP0600 (H)	X-bus backplane	Compatible	Compatible	Not compatible	Compatible	Not compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible
	BMXXBP0800 (H)	X-bus backplane	Compatible	Compatible	Not compatible	Compatible	Not compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible
	BMXXBP1200 (H)	X-bus backplane	Compatible	Compatible	Not compatible	Compatible	Not compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible
	BMXXBE1000 (H) *(2)*	X-bus rack expansion module	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXXBE2005 *(3)*	X-bus rack expansion kit	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMEXBP0400 (H)	X-bus+Eth backplane	Compatible	Not compatible	Compatible	Not compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible
	BMEXBP0800 (H)	X-bus+Eth backplane	Compatible	Not compatible	Compatible	Not compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible
	BMEXBP1200 (H)	X-bus+Eth backplane	Compatible	Not compatible	Compatible	Not compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible
	BMEXBP0602 (H) *(4)*	X-bus+Eth dual power supplies backplane	Compatible	Not compatible	Compatible	Not compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible
	BMEXBP1002 (H) *(4)*	X-bus+Eth dual power supplies backplane	Compatible	Not compatible	Compatible	Not compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible
	BMXXEM010 *(5)*	Protective cover	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Compatible
I/O	BMXAMI0410 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXAMI0800	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXAMI0810 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXAMM0600 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXAMO0210 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXAMO0410 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXAMO0802 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXART0414 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXART0814 (H)	Analog I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI0805	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI0814	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI1602 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI1603 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI1604 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI1614 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAI1615 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAO1605 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDAO1615 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDI1602 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDI1603 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDI1604 (T)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDI3202K (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDI6402K (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDM16022 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDM16025 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDM3202K	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDO1602 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDO1612 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDO3202K (C)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDDO6402K (C)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDRA0804 (T)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDRA0805 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDRA0815 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDRA1605 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMXDRC0805 (H)	Discrete I/O	Compatible	Compatible	Compatible	Not compatible	Not compatible	Compatible	Compatible	Compatible	Compatible	Compatible
	BMEAHI0812 (H)	HART I/O	Not compatible	Not compatible	Compatible	Not compatible	Not compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible
	BMEAHO0412 (C)	HART I/O	Not compatible	Not compatible	Compatible	Not compatible	Not compatible	Not compatible	Not compatible	Compatible	Compatible	Not compatible

(1) ***BMXXBP●●●●*** *with PV 2 or > required*
(2) Extended rack can be any type of rack, but only the X-Bus modules (BMX) can be used
(3) Kit extended rack
(4) Not compatible with single power supplies
(5) Protective cover for all conectors X-bus or Eth bus

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

Compatible	Not compatible

Modicon X80 I/O platform

Product compatibility according to network architecture

Product type	X80 module reference	Short description of X80 module	M340	M580		M580				M340 + M580 + Quantum + Premium
				Local rack with CPU		Local rack with CPU	X80 drops on Ethernet remote I/O			X80 drops on distributed I/O
				Standalone		HSBY	Standalone or HSBY X-bus rack BMXXBP●●●●	Standalone	HSBY	X-bus rack BMXXBP●●●●
								X-bus + Ethernet rack BMEXBP●●●●		
				X-bus rack *(1)* BMXXBP●●●●	X-bus + Ethernet rack BMEXBP●●●●	X-bus rack *(1)* BMXXBP●●●●	BMXCRA31200	BMXCRA31210	BMECRA31210	BMXPRA0100
Expert modules	BMXEAE0300 (H)	SSI encoder	■	■	■		■	■	■	
	BMXEHC0200 (H)	Counter	■	■	■			■	■	
	BMXEHC0800 (H)	Counter	■	■	■			■	■	
	BMXERT1604T/H	Time stamping	■	■	■			■	■	
	BMXMSP0200	PTO	■	■	■					
	BMXETM0200H	Frequency input	■	■	■			■	■	
	PMXCDA0400	AIDIAG (M340 + M580)	■	■	■		■	■	■	
	PMEGPS0100	GPS Synchronized Time Server	■	■	■		■	■	■	
	PMESWT0100	Weighing			■				■	
Communication modules	BMXNOC0401	Ethernet	■							
	BMXNOE0100 (H)	Ethernet	■							■
	BMXNOE0110 (H)	Ethernet	■							
	BMENOC0301 (C)	Ethernet standard web server			■		■			
	BMENOC0311 (C)	Ethernet FC web server			■		■			
	BMENOC0321 (C)	Ethernet Control router			■		■			
	BMENOP0300	IEC 61850		■	■	■				
	BMENOS0300 (C)	eDRS switch			■			■	■	
	BMXNGD0100	Ethernet Global Data services			■					
	BMXNOM0200 (H)	Serial	■	■	■			■	■	■
	BMXNOR0200H	RTU	■	■	■					
	BMXEIA0100	ASi	■	■	■			■	■	
	BMECXM0100 (H)	CANopen Master			■			■		
	BMXNRP0200 (C)	Optical transceiver	■	■	■	■	■	■	■	■
	BMXNRP0201 (C)	Optical transceiver	■	■	■	■	■	■	■	■
	PMEUCM0302	Ethernet TCP open universal module			■			■	■	
	PMEPXM0100 (H)	X80 Profibus DP Master module			■	■		■		
	PMXETW0100	Ethway module	■	■	■					
	PMXNOW0300	Wireless	■	■	■	■	■	■	■	■
Com Head	BMXCRA31200	RIO drop bux X adapter					■			■
	BMXCRA31210 (C)	RIO drop bux X adapter				■				■
	BMECRA31210 (C)	RIO drop bux X+Eth adapter						■	■	■
	BMXPRA0100	DIO drop adapter								

(1) ***BMXXBP●●●●*** *with PV 2 or > required*

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

Compatible	Not compatible

More technical information on www.schneider-electric.com