

P1-M412-16DR Cut Sheet



Productivity1000 PLC, 24 VDC required, Ethernet, serial and USB C ports, microSD card slot, Discrete Input: 8-point, DC, Discrete Output: 8-point, relay.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/P1-M412-16DR>

Technical Specifications

Brand	Productivity1000
Item	PLC
Total Memory	Up to 32 MB
Ladder Memory	Up to 32 MB
User Data Memory	Up to 32 MB
Removable Media Type	MicroSD card slot
Programming Language	Ladder
Programming Software	Productivity Suite programming software v4.5 or later
Communication Port and Connection Type(s)	• (1) Ethernet 10/100Base-T (RJ45) • (1) RS-232 (RJ12) • (1) RS-485 (4-pin terminal) • (1) USB C
Port Protocol(s)	• MQTT Client • MQTTs Client • Modbus RTU Master/Slave • Modbus TCP • ASCII In/out • TCP/IP • UDP/IP • EtherNet/IP explicit messaging scanner/adaptor • EtherNet/IP implicit messaging scanner/adaptor • programming and monitoring • webserver (secure HTTPs)
Port Speed(s)	• 10/100 Mbps • up to 115.2k baud
Real Time Clock/Calendar	No
Retentive Memory	Yes
Battery Backup	No
Maximum Expansion Modules Allowed	2
External Power Requirement	24 VDC
Number of Discrete Input Points	8
Nominal Input Voltage	24 VAC/VDC
Voltage Type	AC/DC

Discrete Input Type	Sinking/sourcing
Number of Non-Isolated Discrete Input Commons	1
Number of Points per Discrete Input Common	8
Number of Discrete Output Points	8
Nominal Output Voltage	6-120 VAC / 6-30 VDC
Discrete Output Type	Relay
Relay Configuration	(8) Form A (SPST) relays
Load Current	1 A/point
Number of Non-Isolated Discrete Output Commons	1
Number of Points per Discrete Output Common	8
Maximum Number of PID Loops	100+ (configurable to memory limit)
Requires	P2-RTB or P2-RTB-1 removable terminal block or ZIPLink pre-wired cables

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Agency Approvals

UL Listed File #	E139594
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
[https://cdn.automationdirect.com
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See store item page for other formats.
