

P1-M412-4ADL2DAL-1 Cut Sheet



Productivity1000 PLC, 24 VDC required, Ethernet, serial and USB C ports, microSD card slot, Analog Input: 4-channel, current, Analog Output: 2-channel, current.

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



<https://www.automationdirect.com/pn/P1-M412-4ADL2DAL-1>

Technical Specifications

Brand	Productivity1000	Number of Non-Isolated Analog Input Commons	1
Item	PLC	Number of Points per Analog Input Common	4
Total Memory	Up to 32 MB	Input Resolution	13-bit
Ladder Memory	Up to 32 MB	Input Current Signal Range	0–20 mA
User Data Memory	Up to 32 MB	Number of Analog Output Channels	2
Removable Media Type	MicroSD card slot	Analog Output Signal Type	Current
Programming Language	Ladder	Number of Non-Isolated Analog Output Commons	1
Programming Software	Productivity Suite programming software v4.5 or later	Number of Points per Analog Output Common	2
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	Output Resolution	12-bit
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)	Output Current Signal Range	4–20 mA
Port Speed(s)	• 10/100 Mbps • up to 115.2k baud	Maximum Number of PID Loops	100+ (configurable to memory limit)
Real Time Clock/Calendar	No	Requires	P1-10RTB or P1-10RTB-1 removable terminal block or ZIPLink pre-wired cables
Retentive Memory	Yes		
Battery Backup	No		
Maximum Expansion Modules Allowed	2		
External Power Requirement	24 VDC		
Number of Analog Input Channels	4		
Analog Input Signal Type	Current		

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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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