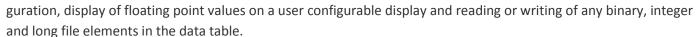


## Three embedded communication ports provide excellent communications capabilities.

The Rockwell Automation Allen-Bradley® MicroLogix™ 1400 Programmable Logic Controller combines features such as EtherNet/IP, online editing, and a built-in LCD and enhanced features including high I/O count, a high speed counter/PTO and enhanced network capabilities.

Three embedded communication ports provide excellent communications capabilities. The controller offers an isolated RS232C/RS485 combination port, a non-isolated RS232C port and an RJ-45 port for 10/100 Mbps EtherNet/IP peer-to-peer messaging, DNP3 over IP and Modbus TCP/IP protocol.

The built-in back lit LCD allows for Ethernet network confi



The controller includes both RSLogix 500 programming software (Version 8.1 and above) as well as RSLogix Micro programming software.



## **Key Features**

- ✓ Up to 7 expansion I/O modules for a maximum of 256 discrete I/O
- ✓ Up to 6 embedded 100 kHz highspeed counters (on controllers with dc inputs)
- ✓ 2 Serial ports with DF1/ DH485/Modbus RTU/DNP3/ASCII protocol support
- Ethernet port provides Ethernet/IP, DNP3 over IP and Modbus TCP/IP protocol support as well as Web server and email capabilities
- Back lit LCD allows you to view controller and I/O status and provides a simple interface for messages, bit/integer monitoring and manipulation



## **Technical Specifications**

Input Power	24V DC
Memory	non-volatile battery backed RAM
User Program/User Data Space	10K/10K configurable
Data Logging/Recipe Storage	128 K (without Recipe) / up to 64 K (after subtracting Data Logging)
Battery Back-up	Yes
Back-up Memory Module	Yes
Digital Inputs	(12) Fast 24 V DC (8) Normal 24 V DC
Digital Outputs	<ul><li>(6) Relay</li><li>(3) Fast DC</li><li>(3) Normal DC</li></ul>
Serial Ports	(1) RS232C/RS485*, (1) RS232C**
Serial Protocols	DF1 Full Duplex, DF1 Half Duplex Master/Slave, DF1 Radio Modem, DH-485, Modbus RTU Master/Slave, ASCII, DNP 3 Slave
Ethernet Ports	(1) 10/100 Ethernet/IP port
<b>Ethernet Protocols</b>	Ethernet/IP messaging, DNP3 over IP and Modbus TCP/IP
Trim Potentiometers	2 Digital
High-Speed Inputs	Up to 6 channels @ 100 kHz
Real Time Clock	Yes, embedded
PID	Yes (limited by loop and stack memory)
PWM /PTO	3 channel PTO (100 kHz); PWM (40kHz)
Embedded LCD	Yes
Floating Point Math	Yes
Online Editing	Yes
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +85°C

<sup>\*</sup> Isolated. RS232/RS485 combo port. Same as MicroLogix 1100 Comm 0

<sup>\*\*</sup> Non-isolated RS232. standard D-sub connector.





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