



DeviceMaster® UP DB9 2-Port 1E and 2E

Part Numbers: 99551-7 (2P, 1E) 99561-6 (2P, 2E)



KEY FEATURES AND BENEFITS

- DualConnectPlus™ Technology – simultaneously connect both serial and Ethernet devices to PLCs and/or applications. String, RFID, and barcode data filtering eliminates redundant data while extracting the RFID and barcode parameters.
- Provide PLC connectivity – to standard serial devices with protocol support for EtherNet/IP, PROFINET, Modbus/TCP, Modbus RTU/ASCII, and TCP/IP
- Supported PLC models – EtherNet/IP: Allen Bradley ControlLogix Family, SLC 5/05, PLC-5, MicroLogix PROFINET: Siemens ET 400, 300 S7 Modbus: Modicon Quantum, Premium, Momentum, Compact, Micro, GE Fanuc Rx7i, Rx3i, 90-70, 90-30, Versamax
- Wide - 37° to 74°C extended temperature range for harsh environments
- Variable power input – eliminates need for power converters between multiple units
- PortVision® DX monitoring and management software
- Security Features – SSL & SSH management, SSL serial data stream encryption
- RoHS2 compliant under CE

PRODUCT DESCRIPTION

At Control, we believe gateways should be intelligent, robust, and easy to use.

The DeviceMaster UP provides innovative EtherNet/IP, Modbus, and Profinet IO connectivity to a wide variety of devices. It can enable you to quickly connect PLCs, SCADA, OPC Servers and applications to devices such as barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, HVAC and

sensors.

With its simplified web-based configuration pages, innovative functionality and informative diagnostic information, the DeviceMaster UP provides the functionality required to make your job easier.



DEVICEMASTER SPECIFICATIONS

HARDWARE

Bus Interface Specification	10/100BASE-T
Memory	
SDRAM	8 MB
Flash	4 MB
Enclosure	UL94-V0 Plastic
Installation Method	DIN rail (35mm)
LED Indicators	Status, Ethernet Link/Activity
Dimensions	
1E	4.6" x 3.9" x 0.9" 116.8 x 99 x 22.9 mm
2E	4.6" x 3.9" x 1.8" 116.8 x 99.1 x 45.7 mm
Product Weight	
1E	4.6 oz 0.130 kg
2E	6.5 oz 0.184 kg

ELECTRICAL SPECIFICATIONS

Device	
DC Input Voltage	6-30V
Current Consumption (+24VDC)	
1E	65 mA
2E	85 mA
Power Consumption (max.)	
1E	1.56 W
2E	2.0 W
Power Input Redundancy	Dual Redundant Power Input
ESD Surge Protection	Provided minimum of 25KV protection for all serial lines. All Ethernet components are rated to 1.5KV magnetic surge protection.

ENVIRONMENTAL SPECIFICATIONS

Air Temperature	
System On	-37° C to 74° C
System Off	-40° C to 85° C
Operating Humidity (Non-Condensing)	5% to 95%
Altitude	0 to 10,000 Feet 3,048 m
Heat Output	
1E	5.3 BTU/Hr
2E	6.8 BTU/Hr
Mean time between failures	
1E	58.8 Years
2E	49.5 Years

SERIAL COMMUNICATIONS

Connector Type	DB9 Male
Number of Ports	2
Software Selectable Interfaces	RS-232, RS-422, RS-485 2-Wire, RS-485 4-Wire (Master/Slave)
Baud Rates	300bps to 230.4 Kbps
Receive Buffer	1024 Bytes
Transmit Buffer	256 Bytes
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2
Flow Control	Hardware, Software or None

ETHERNET SPECIFICATIONS

Network Protocols	ARP, BOOTP, DHCP, HTTP, ICMP, Ping, RARP, RFC 1006 (ISO over TCP), RFC 2217, SNMP (MIB-II), TCP/IP, Telnet, TFTP, and UDP socket services
Connector Type	RJ45F Auto MDI/MDI-X
Number of Ports	
1E	1
2E	2

INDUSTRIAL PROTOCOLS

EtherNet/IP
Modbus/TCP
PROFINET IO

EXPORT INFORMATION

Packaged Shipping Weight	
1E	1.0 lbs 0.45 kg
2E	1.1 lbs 0.50kg
Package Dimensions	9.25" x 2.5" x 7.25" 23.5 x 63.5 x 184.2 mm
UPC Code	
1E	7-56727-99551-7
2E	7-56727-99561-6
Country of Origin	USA
ECCN	5A992
Schedule B Number	8471.80.1000

REGULATORY STANDARDS

Emissions	FCC PART 15 SUBPART B CLASS A LIMIT AS/NZS CISPR 22 European Standard EN55022 Canadian EMC Requirements ICES-003
Immunity	European Standard EN55024 IEC 1000-4-2/EN61000-4-2: ESD IEC 1000-4-3/EN61000-4-3: RF IEC 1000-4-4/EN61000-4-4: Fast Transient IEC 1000-4-5/EN61000-4-5: Surge IEC 1000-4-6/EN61000-4-6: Conducted Disturbance IEC 1000-4-8/EN61000-4-8: Magnetic Field IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations
Safety	IEC 60950/EN60950 (RECOGNIZED) CSA C22.2 No. 50/UL60950 Third Edition
Other	RoHS2 compliance under CE NEMA TS2 Compliant

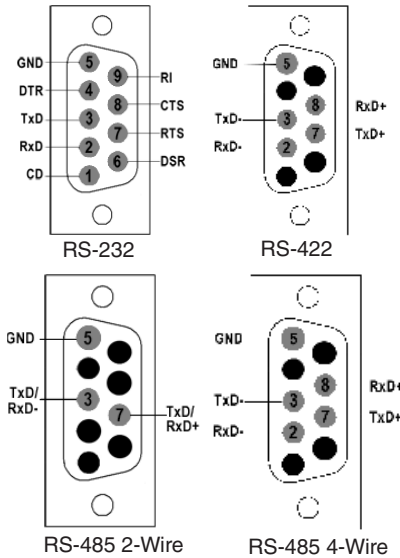
FEATURES

SNMP Support Monitoring Only

REGULATORY APPROVAL MARKS



PIN ASSIGNMENTS



Warranty Information
Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support
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