



DeviceMaster® UP 2-Port 1E & 2E Modbus

Part Number: 99532-6 (1E)

Part Number: 99542-5 (2E)



KEY FEATURE AND BENEFITS

- 64 Modbus/TCP Connections
- Simple web base configuration
- Informative device communication and status pages
- Dual Ethernet Ports for daisy chaining network connections between multiple units
- Advanced Modbus/TCP to Modbus/RTU functionality:
 - Up to 247 slave devices per gateway
 - No limit on number of devices per serial port
 - Automatic device location and message routing
- Advanced Modbus/TCP to Raw/ASCII Functionality:
 - Modbus/TCP to serial and/or Ethernet TCP/IP
 - Maximum serial packet size of 1518 bytes
 - Maximum Ethernet TCP/IP packet size of 2048 bytes
 - True Peer-to-Peer Modbus/TCP messaging. RX and TX channels configured independently to Master or Slave.
 - Intelligent packet identification and handling
 - DualConnectPlus technology

PRODUCT DESCRIPTION

The DeviceMaster UP has been designed to meet the demands of today's increasingly diverse Modbus installations.

Control has developed three unique Modbus firmware applications that provide a wide range of Modbus connectivity. Simple connections or complex Modbus networks, you can do it all with a DeviceMaster UP.

Highly flexible and robust, the DeviceMaster UP provides connectivity between a vast array of Modbus controllers and devices. Simplified configuration pages, innovative functionality and informative diagnostic information all make for quick and easy set-up of even the most complex Modbus installations.



DEVICEMASTER SPECIFICATIONS

HARDWARE

Bus Interface Specification	10/100 BASE-T
Memory	
SDRAM	8 MB
Flash	4 MB
Enclosure	UL94-V0 Plastic
Installation Method	DIN rail (35mm) LED
Indicators	
Status, Ethernet Link/Activity	
Enclosure Dimensions	
1E	4.37" x 3.9" x .89"
2E	4.37" x 3.9" x 1.78"
Product Weight	
1E	4.6 oz
2E	7.5 oz

ELECTRICAL SPECIFICATIONS

DC Input Voltage	5-30 V
Current Consumption	+24 VDC
1E	60 mA
2E	80 mA
Power Consumption (max)	
1E	1.5 W
2E	2.0 W
ESD Surge Protection (min)	
1E	25KV
2E	25KV

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-37° to 74°C
Storage Temperature	-40° to 85°C
Operating Humidity	
Non-condensing	5% to 95%
Altitude	0 to 10000 Feet
Heat Output	
1E	5.0 BTU/Hr
2E	6.6 BTU/Hr
Mean time between failures	
1E	58.57 Years
2E	45.66 Years

SERIAL COMMUNICATIONS

Connector Type	
(2) Screw Terminal Blocks	
Interface Standard	
RS-232, RS-422, RS-485 Half-Duplex, RS-485, Full-Duplex	
Baud Rates	300 to 230.4Kbps
Transmit Buffer	256 Bytes
Receive Buffer	1024 Bytes
Data Bits	7 or 8
Parity	odd, even or 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	
1E	(1) RJ45F Auto MDI/MDI-X
2E	(2) RJ45F Auto MDI/MDI-X

EXPORT INFORMATION

Packaged Shipping Weight	
1E	0.91 lbs
2E	1.04 lbs
Package Dimensions	9.25" x 2.5" x 7.25"
UPC Code	
1E	7-56727-99532-6
2E	7-56727-99542-5
Country of Origin	USA
ECCN	5A992
Schedule B Number	8471.80.1000

DEVICE DRIVERS

Linux
 Microsoft® Windows® 7
 Microsoft® Windows® 2008 Server
 Microsoft® Windows® Vista
 Microsoft® Windows Server® 2003
 Microsoft® Windows® XP
 Microsoft® Windows NT® 4.0 (Legacy)
 Microsoft® Windows® 2000 (Legacy)

REGULATORY STANDARDS

Emission	CANADIAN EMC REQUIREMENTS ICES-003 European Standard EN55022 FCC PART 15 SUBPART B CLASS A LIMIT AS/NZS CISPR 22
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 CSA C22.2 No. 60950/UL60950 Third Edition RoHS2 compliant under CE NEMA TS2 Compliant

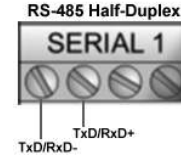
FEATURES

SNMP Support
 RoHS Compliant

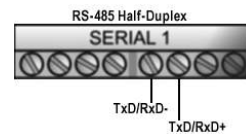
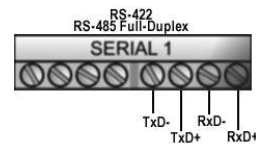
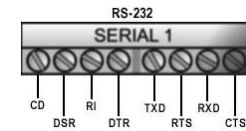
REGULATORY APPROVAL MARKS



PIN ASSIGNMENTS 2-PORT 1E



PIN ASSIGNMENTS 2-PORT 2E



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

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