



## 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

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

## ELECTRICAL SPECIFICATIONS

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

## ENVIRONMENTAL SPECIFICATIONS

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

## SERIAL COMMUNICATIONS

<b>Connector Type</b>	(2) Screw Terminal Blocks
<b>Interface Standard</b>	RS-232, RS-422, RS-485 Half-Duplex, RS-485, Full-Duplex
<b>Baud Rates</b>	300 to 230.4Kbps
<b>Transmit Buffer</b>	256 Bytes
<b>Receive Buffer</b>	1024 Bytes
<b>Data Bits</b>	7 or 8
<b>Parity</b>	odd, even or none
<b>Stop Bits</b>	1 or 2
<b>Flow Control</b>	Hardware, Software or None

## ETHERNET SPECIFICATIONS

<b>Network Protocols</b>	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
<b>Connector Type</b>	
1E	(1) RJ45F Auto MDI/MDI-X
2E	(2) RJ45F Auto MDI/MDI-X

## EXPORT INFORMATION

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

<b>Emission</b>	CANADIAN EMC REQUIREMENTS ICES-003 European Standard EN55022 FCC PART 15 SUBPART B CLASS A LIMIT AS/NZS CISPR 22
<b>Immunity</b>	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
<b>Safety</b>	IEC 60950/EN60950 CSA C22.2 No. 60950/UL60950 Third Edition RoHS2 compliant under CE NEMA TS2 Compliant

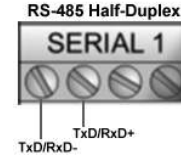
## FEATURES

SNMP Support  
 RoHS Compliant

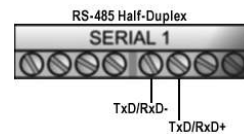
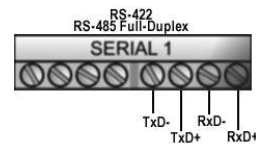
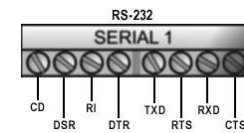
## REGULATORY APPROVAL MARKS



## PIN ASSIGNMENTS 2-PORT 1E



## PIN ASSIGNMENTS 2-PORT 2E



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

**Sales Support**  
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