

## DeviceMaster® MOD-2402

Part Number: 99542-5



### 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 MOD-2402 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.

Highly flexible and robust, the DeviceMaster MOD-2402 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

4.37" x 3.9" x 1.78"

### Product Weight

7.5 oz

## ELECTRICAL SPECIFICATIONS

### DC Input Voltage

5-30 V

**Current Consumption** +24 VDC

80 mA

### Power Consumption (max)

2.0 W

### ESD Surge Protection (min)

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

6.6 BTU/Hr

### Mean time between failures

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

### Connector Type

(2) RJ45F Auto MDI/MDI-X

## EXPORT INFORMATION

### Packaged Shipping Weight

1.04 lbs

### Package Dimensions

9.25" x 2.5" x 7.25"

### UPC Code

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

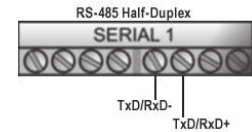
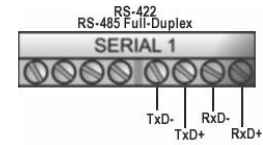
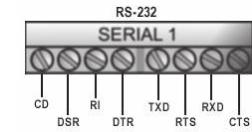
SNMP Support

RoHS Compliant

## REGULATORY APPROVAL MARKS



## PIN ASSIGNMENTS



## 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



### Warranty Information

Comtrol offers a 30-day  
satisfaction guarantee and  
5-year limited warranty.

### Sales Support

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### Technical Support

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