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.

Comtrol 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.
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
4.3” 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
5% to 95%
Non-condensing
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

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
(2) RJ45 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
B4718.80.1000

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

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