



Modbus Gateway

ICDM-RX/MOD-DB9/RJ45-PM

- Panel mounting and DB9 serial connector
- Pure Modbus, multiple Modbus server and client types, remote, local, and private devices
- RS-232/422/485 software selectable interfaces
- Web-based configuration

Modbus 1-port panel mount DB9



Function

Flexible, versatile, and highly configurable, the DeviceMaster Modbus Gateway provides unmatched connectivity for a vast array of Modbus implementations. Four unique Modbus firmware applications are available for download from the Modbus product web page and are easily loaded on the Gateway. Whether your Modbus device is Modbus/TCP, Modbus/RTU or Modbus/ASCII serial, is local or remote; or whether your Raw/ASCII device is connected via serial or Ethernet TCP/IP, the Gateways deliver a complete solution for integrating Modbus devices across networks and IIOT applications.

Modbus Router Firmware

Modbus Router is the default firmware that is preloaded on the Gateway and provides innovative network-wide Modbus connectivity between a broad variety of Modbus clients and local and remote Modbus servers. Advanced features include client-client communication, private serial bus connectivity, write protection, and device ID aliasing. With simplified configuration pages and advanced routing, Modbus Router provides unmatched Modbus connectivity.

Modbus/MQTT Firmware

Modbus/MQTT Router firmware provides all of the innovative capabilities of Modbus Router plus the addition of MQTT and SparkPlug B for delivering data to enterprise-wide cloud and IOT applications.

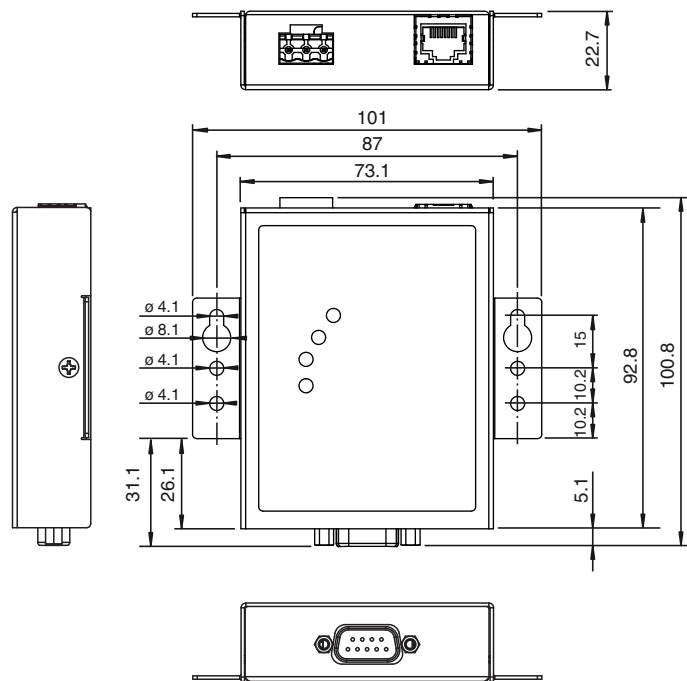
Modbus/TCP Firmware

Modbus/TCP firmware is the original DeviceMaster Modbus application and is designed to provide great flexibility for connecting both Modbus serial servers and Raw/ASCII devices to a variety of Modbus controllers and applications. Advanced features like Raw/ASCII filtering, command/response mode, peer-to-peer Modbus communications, and simultaneous connections to multiple Modbus controllers and/or Ethernet TCP/IP applications make the Modbus/TCP firmware the industry leader for Modbus to Raw/ASCII gateways.

Modbus Server Firmware

Modbus Server firmware provides enhanced connectivity for OPC servers and applications that require Modbus/RTU communication from Ethernet TCP/IP or COM ports directly to serial ports. While standard gateways provide connectivity for only one application per serial port, Modbus Server provides connectivity for up to six applications per serial port.

Dimensions



Technical Data

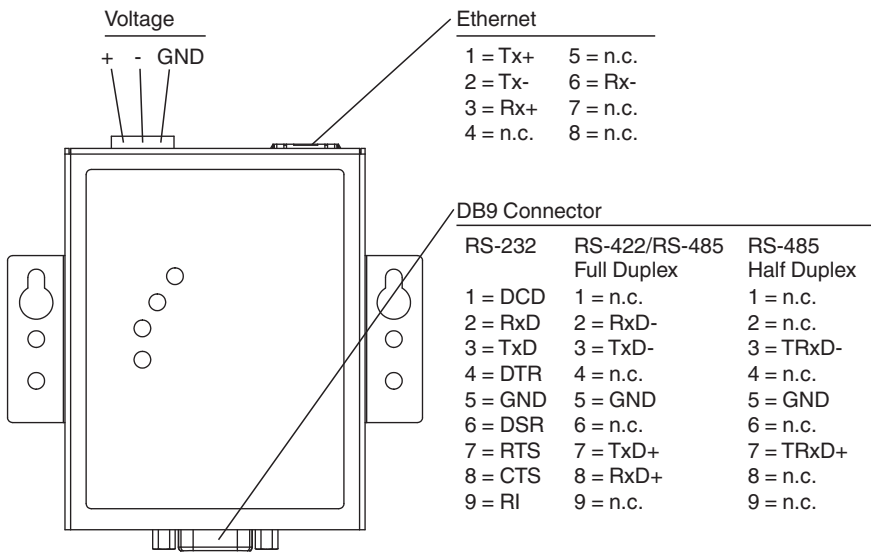
General specifications			
UL File Number		E185802	
MTBF			48.4 a
Indicators/operating means			
LED indication			see manual
Electrical specifications			
Rated operating voltage		U _e	5 ... 30 V DC
Nominal voltage		24 V DC	
Interface			
Interface type		Software selectable interfaces: RS-232 , RS-422 , RS-485 (2 and 4-wire)	
Physical			1 x DB9
Protocol		MODBUS RTU	
Supported baud rates			300 bps to 230Kbps
Interface 1			
Interface type			Industrial Ethernet
Physical			1 x RJ45
Protocol			MODBUS TCP/IP
Additional protocols		ARP, BOOTP, DHCP/RARP, HTTP, HTTPS, SSH, SSL/TLS, ICMP, RFC 1006 (ISO over TCP), SNMP (MIB-II), TCP/IP &UDP socket services, Telnet, and TFTP, and supports IP multicast data transmission	
Transfer rate			10/100 Mbps
Directive conformity			
Electromagnetic compatibility			
Directive 2014/30/EU		EN 61000-6-2:2005 , EN 61000-6-4:2007 + A1:2011	
RoHS			EN IEC 63000:2018
Standard conformity			
Electrical safety			CSA C22.2 No. 60950 / CSA C22.2 No. 60950/UL60950
Emitted interference		EN 61000-6-4, EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32	
Noise immunity			EN 61000-6-2

Release date: 2024-09-04 Date of issue: 2024-09-04 Filename: 70114021_eng.pdf

Technical Data

Ambient conditions		
Ambient temperature		-40 ... 75 °C (-40 ... 167 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		max. 95 %
Altitude		0 ... 3048 m
Mechanical specifications		
Degree of protection		IP20
Connection		Power Supply: pluggable screw terminal Fieldbus: 1 x RJ45 Inputs/outputs: 1 x DB9
Material		
Housing		stainless steel
Mass		220g
Dimensions		
Height		71.1 mm
Width		20.3 mm
Length		91.4 mm
Construction type		Cabinet module
Mounting		panel mount

Connection



Release date: 2024-09-04 Date of issue: 2024-09-04 Filename: 70114021_eng.pdf

Indication

