



Modbus 1-port Gateway series

■ ■ MB5001C / MB5001C-Sis

RoHS compliant

Technology

- Rugged metal housing with DIN-Rail / Wall-Mount
- Ease-of-use in Modbus protocol conversion include RTU, ASCII and TCP
- 15 KV ESD protection for serial signals(MB5001C-Sis only)
- 10/100Mbps Fast Ethernet Full Duplex Auto Negotiation
- Monitor, Manage and Control Industrial Field Devices Remotely
- Configurable via Built-In Web Server Serial Console, or Telnet
- Upgradeable firmware from remote-PC via Ethernet
- Modbus compact design

Reliability

- Removable 3-pin Terminal Block(DC 9-30V) + DC Jack (DC 5V), two types of power input for MB5001C
- Removable 3-pin Terminal Block power input(DC 9-30V) for MB5001C-Sis
- Operating temperature ranges from 0°C~60°C
- Rugged high-strength housing
- DIN-Rail or wall mounting ability

Modbus is an industry adopted communication protocol that is based on RTU, ASCII, and TCP protocols for various of applications; these three protocols are commonly used by a lot of equipments in the industry, such as DCS, PLC, HMI, power meters, various sensors and measuring instruments. MB5001C series supports the standard Modbus protocol and is capable of converting the Modbus protocols between Modbus TCP (Master) to Modbus RTU/ASCII (Slave). It's a simple and cost effective Modbus Gateway.

Diverse Hardware Infrastructure

MB5001C series which supports the three most commonly used serial communication interfaces, RS-232, RS-422 and RS-485. It also provides a web-based configuration UI, so the users can select the serial interface easily.

MB5001C Series Setup



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Specifications

Ethernet

Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes

Link Mode

ModBus TCP	Yes
ModBus ASC	Yes
ModBus RTU	Yes

Serial

Interface	RS-232/RS-422/RS-485 Software selectable(MB5001C) RS-422/RS-485 Isolation Software selectable(MB5001C-Sis)
Ports	1-port
Baud Rate	1200bps~230Kbps
Parity	None, Odd, Even, Mark, Space
Data Bits	7, 8
Stop Bits	1, 2
Flow Control	None, Software: Xon/Xoff, Hardware: RTS/CTS
Connector	9-pin D-Sub(MB5001C) 5-pin 3.81mm Terminal block(MB5001C-Sis)
Protection	15KV ESD

Power

Input	DC 5V(DC-Jack) and 9-30V(TB3) (MB5001C) DC 9-30V(TB3) (MB5001C-Sis)
Consumption	Max. 2.7 W (MB5001C) / Max. 3.6 W (MB5001C-Sis)

Environment

Operating	0°C ~ 60°C (32° ~ 140°F)
Storage	-20° ~ 70°C (-4°~ 158°F), 5 ~ 95%RH

Dimension

W x H x D	65mm x 28mm x 78mm (MB5001C) 85mm x 28mm x 74mm (MB5001C-Sis)
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Software

Configuration	Web Page / Telnet / Serial console / Windows utility
Virtual Com/ DeviceView / Serial Manager	Atop Product Management tool(DeviceView)
Support Protocol	ModBus TCP/ASCII/RTU,SNMP,HTTP

Approvals

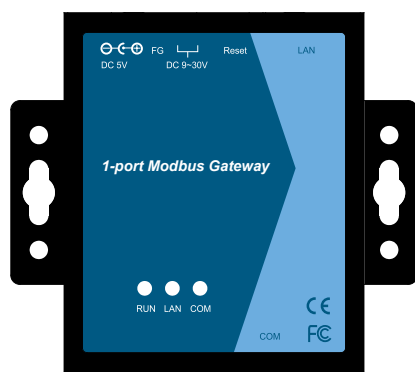
FCC	FCC Part 15, Subpart B, Class A CISPR 22 ICES-003 ANSI C63.4
CE	EN 55022 EN 61000-3-2 EN 61000-3-3 EN 55024 IEC 61000-4-2 (ESD) IEC 61000-4-3 (RS) IEC 61000-4-4 (EFT) IEC 61000-4-5 (Surge) IEC 61000-4-6 (CS) IEC 61000-4-8 (PFMP) IEC 61000-4-11 (DIP)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
RoHS	Lead(Pb) Free
MTBF	MB5001C: 485853hrs / 55.46 years (25°C) MB5001C-Sis: TBD
Warranty	5 years

Optional Accessories

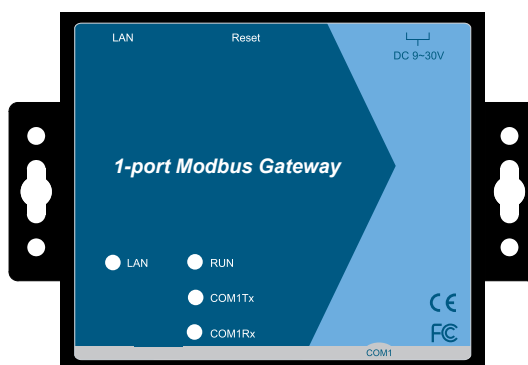
Power Adapter	US315-12(US/EU): AC100~240V/DC12V 5.08mm pitch Terminal block AD5V1A(US/EU) : DC5V1A DC Jack
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Ordering Information

1P1MB5001C0001G	1-LAN port software selectable
MB5001C	RS-232/422/485(DB9) ModBus Gateway
1P1MB5001C0002G	1-LAN port software selectable
MB5001C-Sis	RS-422/485(TB5-ISO) ModBus Gateway



65mm x 28mm x 78mm (MB5001C)



85mm x 28mm x 74mm (MB5001C-Sis)

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