



## 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 RTU/ASCII (Master) to Modbus TCP (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



# Modbus 1-port Gateway series

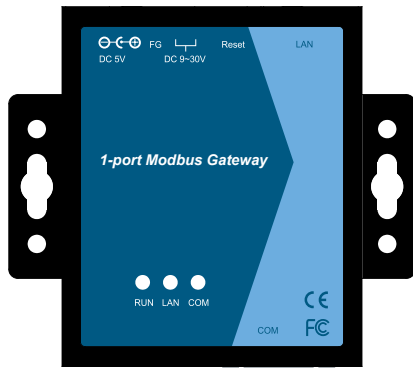


Specifications	
<b>Ethernet</b>	
Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes
<b>Link Mode</b>	
ModBus TCP	Yes
ModBus ASC	Yes
ModBus RTU	Yes
<b>Serial</b>	
Interface	RS-232/RS-422/RS-485 Software selectable(MB5001C) RS-422/RS-485 Isolation 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
<b>Power</b>	
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)
<b>Environment</b>	
Operating	0°C ~ 60°C ( 32° ~ 140°F )
Storage	-20° ~ 70°C ( -4°~ 158°F ), 5 ~ 95%RH
<b>Dimension</b>	
W x H x D	65mm x 28mm x 78mm (MB5001C) 85mm x 28mm x 74mm (MB5001C)
<b>Software</b>	
Configuration	Web Page / Telnet / Serial console / Windows utility
Virtual Com/ DeviceView / Serial Manager	Atop Product Management tool(DeviceView)
Support Protocol	ModBus TCP/ASC/RTU,SNMP,HTTP,

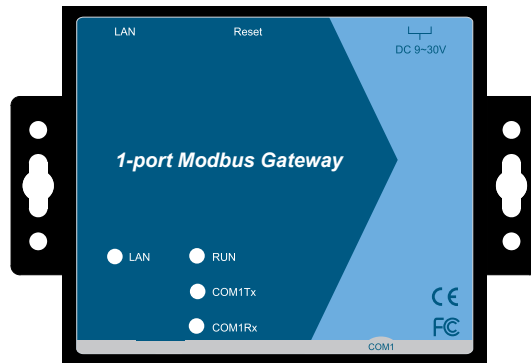
Approvals	
<b>FCC</b>	FCC Part 15, Subpart B, Class A CISPR 22:1997, Class A ICES-003:2004, Class A ANSI C63.4-2003
<b>CE</b>	EN 55022:1994+A1 :1995+A2 :1997, Class A EN 61000-3-2:2000, Class A EN 61000-3-3:1995+A1 :2001 EN 55024:1998+A1:2001+A2:2003 IEC 61000-4-2:2001 IEC 61000-4-3:2002+A1:2002 IEC 61000-4-4:2004 IEC 61000-4-5:2001 IEC 61000-4-6:2003+A1:2004 IEC 61000-4-8:2001 IEC 61000-4-11:2004
<b>Shock</b>	IEC 60068-2-27
<b>Free Fall</b>	IEC 60068-2-32
<b>Vibration</b>	IEC 60068-2-6
<b>RoHS</b>	Lead(Pb) Free
<b>MTBF</b>	454442 hrs(51.88 years) in 25°C (MB5001C) TBD for MB5001C-Sis
<b>Warranty</b>	5 years

Optional Accessories	
<b>Power Adapter</b>	US315-12(US/EU): AC100~240V/DC12V 5.08mm pitch Terminal block AD5V1A(US/EU) : DC5V1A DC Jack

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



65mm x 28mm x 78mm (MB5001C)



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

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