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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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



# Modbus 1-port Gateway series

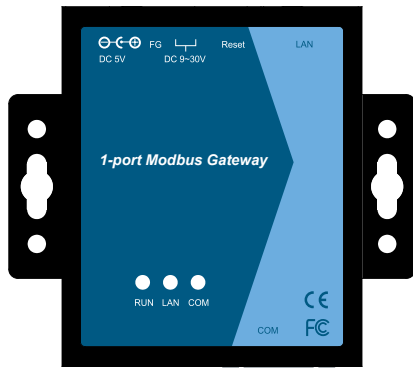


Specifications	
<b>Ethernet</b>	
Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes
<b>Link Mode</b>	
ModBus TCP	Yes
ModBus ASC	Yes
ModBus RTU	Yes
<b>Serial</b>	
Interface	RS-232/RS-422/RS-485 Software selectable(MB5001C) RS-422/RS-485 Isolation 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-Sis)
<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/ASCII/RTU,SNMP,HTTP

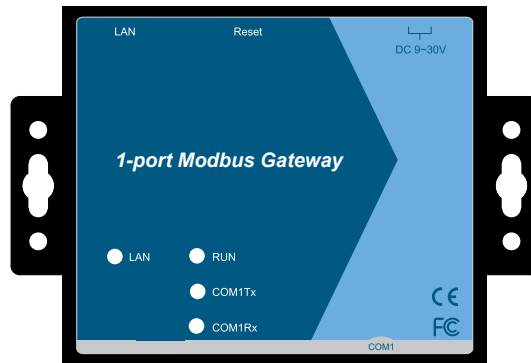
Approvals	
<b>FCC</b>	FCC Part 15, Subpart B, Class A
	CISPR 22
	ICES-003
	ANSI C63.4
<b>CE</b>	EN 55022
	EN 61000-3-2
	EN 61000-3-3
	EN 55024
	IEC 61000-4-2 (ESD)
	IEC 61000-4-3 (RS)
	IEC 61000-4-4 (EFT)
	IEC 61000-4-5 (Surge)
	IEC 61000-4-6 (CS)
	IEC 61000-4-8 (PFMP)
	IEC 61000-4-11 (DIP)
<b>Shock</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>	MB5001C: 485853hrs / 55.46 years (25°C)
	MB5001C-Sis: TBD
<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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