

Device Networking Access



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

➔ MB5001C / MB5001C-Sis

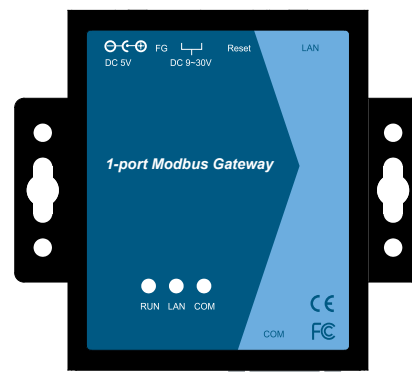
Specifications

System	
CPU	16-bit x86 Embedded CPU
Flash	512K Bytes
DRAM	512K Bytes
EEPROM	512 Bytes
Watchdog	Hardware built-in
Ethernet	
Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes
Serial	
Interface	RS-232/422/485 software selectable(MB5001C) RS-422/485 isolation with software selectable(MB5001C-Sis)
Ports	1-port DB9 or TB5
Baud Rate	1200bps to 230Kbps
Parity	None, Odd, Even, Mark, Space
Data Bits	7 or 8
Stop Bits	1 or 2
Data Packet Delimiter	0 to 30000 mini sec. (0:auto)
Connector	9-pin D-Sub(DB9) / Terminal Block(TB5)
Power	
Input	DC 5V for DC Jack , DC 9-30V for Terminal Block
Consumption	Max. 2.7W (MB5001C) , Max. 3.6W (MB5001C-Sis)
Environment	
Operating	0°C ~ 60°C (32°F~ 140°F)
Storage Temperature	-20°C ~ 70°C (-4°F~ 158°F), 5~95%RH,(non-condensing)
Dimension	
W x H x D	65mm x 28mm x 78mm (MB5001C) 85mm x 28mm x 74mm (MB5001C-Sis)
Software	
Configuration	Web Page / Telnet / Serial consol / Windows utility
Device View	For Windows
Support Protocol	ModBus TCP / ASC / RTU / SNMP / HTTP
Ordering Information	
MB5001C	Single LAN port software selectable RS-232/RS-422/RS-485(DB9) ModBus Gateway
MB5001C-Sis	Single LAN port software selectable RS-422/RS-485(TB5-ISO) ModBus Gateway
Regulatory Approvals	
FCC	FCC Part 15, Subpart B, Class A
	CISPR 22:1997, Class A
	ICES-003:2004, Class A
	ANSI C63.4-2003
CE	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
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
RoHS	Lead(Pb) Free
MTBF	454442 hrs(51.88 years) in 25°C (MB5001C) , TBD for MB5001C-Sis
Warranty	5 years

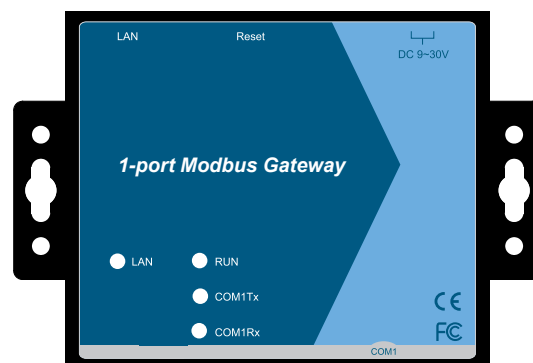
Optional Accessories

Power Adapter	US315-12 US/EU:
	AC100~240V/DC12V 5.08mm pitch Terminal block
	AD5V1A(US/EU): DC5V1A DC Jack (MB5001C)

MB5001C Series Mechanical Dimensions(unit=mm)



65mm x 28mm x 78mm (MB5001C)



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