



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

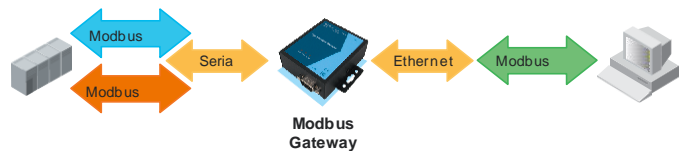
- Removable 3-pin Terminal Block(DC 9-30V) + DC Jack (DC 5V), two types of power input for MB5001C
- Removable 3-pin Terminal Block power input(DC 9-30V) for MB5001C-Sis
- Operating temperature ranges from 0°C~60°C
- Rugged high-strength housing
- DIN-Rail or wall mounting ability

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.

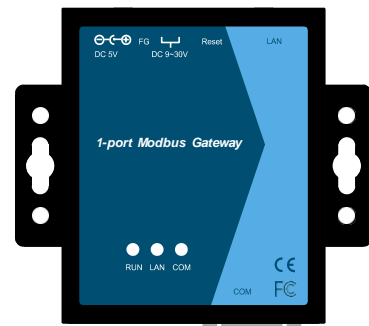
Diverse Hardware Infrastructure

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.

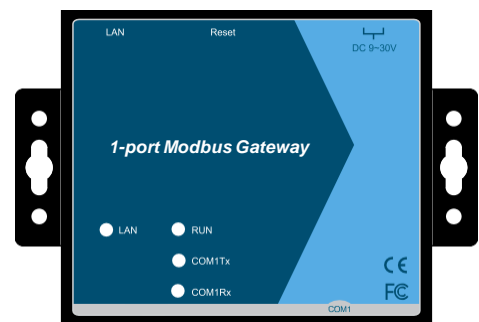
MB5001C Series Setup



Specifications		Approvals	
Ethernet		FCC	
Compliance	IEEE802.3	FCC	FCC Part 15, Subpart B, Class A
Port	1-port		CISPR 22
Transmission Rate	10/100Mbps Auto-detection		ICES-003
Connector	RJ-45		ANSI C63.4
Auto MDI/MDI-X	Yes	CE	
Link Mode			EN 55022
ModBus TCP	Yes		EN 61000-3-2
ModBus ASC	Yes		EN 61000-3-3
ModBus RTU	Yes		EN 55024
Serial			IEC 61000-4-2 (ESD)
Interface	RS-232/RS-422/RS-485 Software selectable(MB5001C) RS-422/RS-485 Isolation Software selectable(MB5001C-Sis)		IEC 61000-4-3 (RS)
Ports	1-port		IEC 61000-4-4 (EFT)
Baud Rate	1200bps~230Kbps		IEC 61000-4-5 (Surge)
Parity	None, Odd, Even, Mark, Space		IEC 61000-4-6 (CS)
Data Bits	7, 8		IEC 61000-4-8 (PFMP)
Stop Bits	1, 2		IEC 61000-4-11 (DIP)
Flow Control	None, Software: Xon/Xoff, Hardware: RTS/CTS	Shock	
Connector	9-pin D-Sub(MB5001C) 5-pin 3.81mm Terminal block(MB5001C-Sis)		IEC 60068-2-27
Protection	15KV ESD	Free Fall	
Power			IEC 60068-2-32
Input	DC 5V(DC-Jack) and 9-30V(TB3) (MB5001C) DC 9-30V(TB3) (MB5001C-Sis)	Vibration	
Consumption	Max. 2.7 W (MB5001C) / Max. 3.6 W (MB5001C-Sis)		IEC 60068-2-6
Environment		RoHS	
Operating	0°C ~ 60°C (32° ~ 140°F)		Lead(Pb) Free
Storage	-20° ~ 70°C (-4°~ 158°F), 5 ~ 95%RH	MTBF	
Dimension			MB5001C: 485853hrs / 55.46 years (25°C) MB5001C-Sis: TBD
W x H x D	65mm x 28mm x 78mm (MB5001C) 85mm x 28mm x 74mm (MB5001C-Sis)	Warranty	
Software			5 years
Configuration	Web Page / Telnet/ Serial console / Windows utility	Ordering Information	
Utilities	Atop Device Management Utility, VirtualCOM	1P1MB5001C0001G	1-LAN port software selectable
Support Protocol	ModBus TCP/ASCII/RTU,SNMP,HTTP	MB5001C	RS-232/422/485(DB9) ModBus Gateway
Optional Accessories		1P1MB5001C0002G	1-LAN port software selectable
Power Adapter	UN315-1212 (US-Y) : P/N:50500151120003G Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6 UNE315-1212 (EU-Y) : P/N:50500151120013G Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6 UV305-0510(US-DC) : P/N:50500051500003G DC jack (3.5/1.35/7.5 mm) power adapter, 100~240VAC input, 1.0A @ 5 VDC output, US plug, LV6 UVE305-0510(EU-DC) : P/N:50500051500013G DC jack (3.5/1.35/7.5 mm) power adapter, 100~240VAC input, 1.0A @ 5 VDC output, EU plug, LV6 UVE305-0510(UK-DC) : P/N:50500051500023G DC jack (3.5/1.35/7.5 mm) power adapter, 100~240VAC input, 1.0A @ 5 VDC output, UK plug, LV6	MB5001C-Sis	RS-422/485(TB5-ISO) ModBus Gateway



65mm x 28mm x 78mm (MB5001C)



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