

Modbus Gateways



8/16-port Modbus Gateway



4-port Modbus Gateway



2-port Modbus Gateway

Modbus is an industry adopted communication protocol based on RTU, ASCII, and TCP protocols for various applications; these three protocols are commonly used by various equipments in the industry, such as DCS, PLC, HMI, power meters, various sensor and measuring instruments.

The Modbus Gateway is capable of implementing the Modbus protocol conversion between different hardware interfaces, thereby streamlining the process of management and application.

Diverse Hardware Infrastructure

Modbus Gateway supports the four most commonly used communication standards, RS-232/485/422, and Ethernet. The ease-of-use configuration utility provided with Modbus Gateway can quickly select the hardware interface, and easily switch to the existing communication infrastructure.

Switching between Modbus Protocols

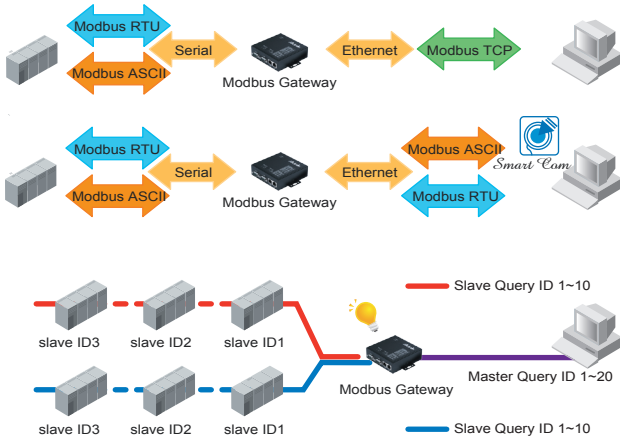
Modbus Gateway supports the standard Modbus protocol and is capable of converting any Modbus protocols between Modbus TCP, Modbus RTU, and Modbus ASCII for all supported hardware interfaces.

Modbus ID Routing

Modbus Gateway is not only capable of hardware and protocol conversions, and when a Modbus ID conflict occurs, the Modbus Gateway also supports ID routing to the existing Modbus hardware.

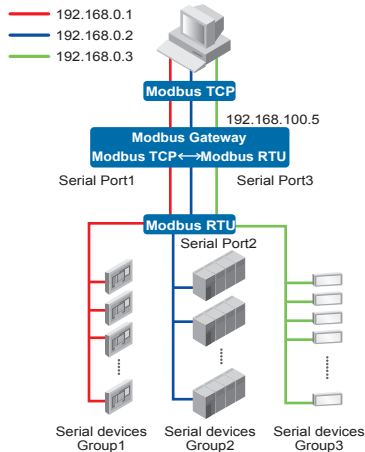
Simple Integration for Complex Configurations

Modbus Gateway supports various types of hardware communication interfaces, Modbus protocol conversion, and Modbus ID routing. Therefore the Modbus Gateway can integrate your existing and complex Modbus hardware configuration into a simple network that can be easily managed.

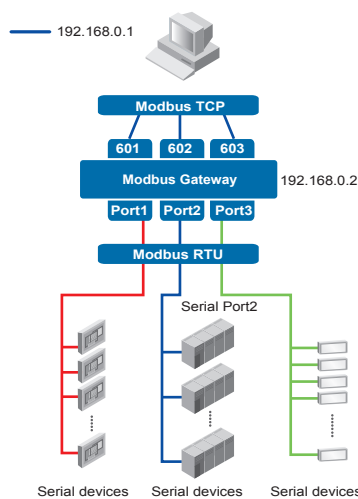


Applied Modes of Multiple Protocols

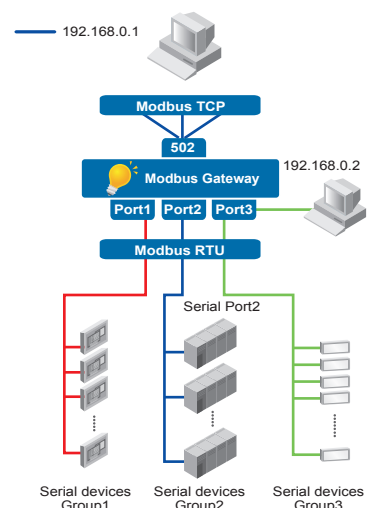
Assign different IP to each serial device







The same IP but different I/O ports



The same IP and the same I/O ports



Specifications

Model Name	MB5302	MB5404D	iALink MG508	iALink MG516
				
Ethernet (RJ-45 Connector)	Dual 10/100M Fast-Ethernet Auto-detection			
Network Protocol	ICMP, Modbus TCP/ASCII/RTU, HTTP, ARP			
Watch Dog Timer	60-second software auto-reset (Customization) ; 1 second real-time clock built-in			
Serial Port	2-Port DB9 Male connector	4-Port DB9 Male connector	8-Port RJ-45 connector	16-Port RJ-45 connector
Serial Interface	RS-232/422/485 software selectable			
Date Rate	1200 bps ~ 921 Kbps, Support user define baud rate			
Data Bits	5, 6, 7, 8			
Parity Check	None, Even, Odd, Space, Mark			
Stop Bits	1, 2			
Flow Control	None, XON/XOFF, RTS/CTS			
Power Input	DC 9 ~ 30V, 3-pin TB	DC 9 ~ 48V, 7-pin TB	AC 100 ~ 260V, AC Inlet	
Operation Temperature	0°C ~ 60°C	-40°C ~ 80°C	0°C ~ 60°C	
Storage Temperature	-40°C ~ 85°C			
Humidity	5%~95% non-condensing			
Mounting	Field-type	DIN-Rail	Rack mount (2U)	
Dimension (W x H x D) mm	99 x 35 x 108.5	53.4 x 145.7 x 119.9	436 x 43.5 x 200	
Configuration	Web Browser, Windows-based Utility			
Weight	360g	900g	3400g	3600g
MTBF	TBD	188251 hours / 21.5 years	TBD	TBD

Ordering Information

MB5302	2-Port Serial-to-Ethernet Modbus Gateway, DB9(M)
MB5404D	4-Port Serial-to-Ethernet Modbus Gateway, DB9(M)
iALink MG518	8-Port Serial-to-Ethernet Modbus Gateway, DB9(M), AC 100-260V
iALink MG516	16-Port Serial-to-Ethernet Modbus Gateway, DB9(M), AC 100-260V

Optional Accessories

Category	Model No.	Specification	MB5302	MB5404D	iALink MG508	iALink MG516
Power adapter	US315-12(US-Y) P/N:50500151120009G	Y-Type (5.08 mm) power adaptor, 100-240VAC input, 1.25A @ 12VDC output, US plug		✓		
	USE315-12(EU-Y) P/N:50500151120019G	Y-Type (5.08 mm) power adaptor, 100-240VAC input, 1.25A @ 12VDC output, EU plug		✓		
	UV315-12(US-LDC) P/N:50500151120108G	Lockable DC jack (5.5/1.35/9.5 mm) power adaptor, 100-240VAC input, 1.25 A @ 12 VDC output, US plug	✓	✓		
	UVE315-12(EU-LDC) P/N:50500151120118G	Lockable DC jack (5.5/1.35/9.5 mm) power adaptor, 100-240VAC input, 1.25 A @ 12 VDC output, EU plug	✓	✓		
Terminal Block	2ESDPM-07P P/N:50707871G	7-pin 5.08mm Screw Terminal Block with 180° Angle		✓		
	2ESDVM-07P P/N:50707741G	7-pin 5.08mm Screw Terminal Block with 90° Angle		✓		
Mounting Kit	WMK-B-459 P/N:202EH731000003G	Black metal Wall Mount Kit		✓		
	CDK-S-459 P/N:201EH731000005G	Conductive silver metal DIN-Rail Kit		✓		
	RMK-B-718 P/N:202SE641600005G	Rack Mount Kit			✓	✓
Console Cable	CBL-RJ45(8P)-DB9(M)-90 P/N:50891781G	8-pin RJ45-DB9 Male Cable, 90cm			✓	✓
	CBL-RJ45(8P)-DB9(F)-90-C P/N:50891971G	8-pin RJ45-DB9 Female Cross Over Cable, 90cm		✓		
Adaptor	ADP-DB9(F)-TB5 P/N:59906231G	DB9(Female) to TB5(3.81mm) Adaptor		✓		
Grounding Cable	GDC-120 P/N:59906861G	120mm copper woven grounding cable		✓		

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