



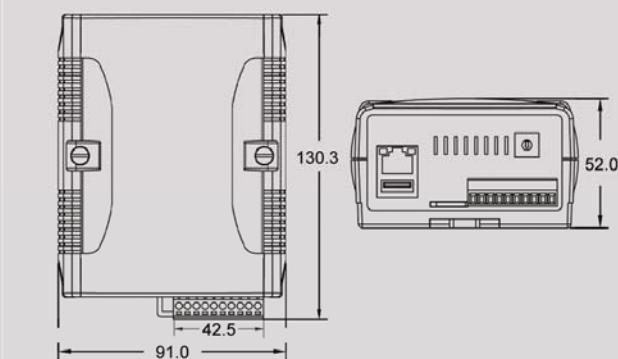
BACnet Series Products



BACnet/IP to Modbus RTU Gateway



GW-5492



Dimensions

GW-5492 is a fully configurable universal BACnet/IP to Modbus RTU gateway. The GW-5492 includes BACnet/IP Server and Modbus RTU Master which is used to make Modbus RTU devices accessible on a BACnet network. BACnet (Building Automation and Control Networking) protocol has been designed specifically to meet the communication needs of building automation and control systems for applications such as heating, ventilating...etc. The GW-5492 contains a large number of BACnet objects gives you flexibility in mapping Modbus RTU registers to any combination of BACnet objects. Multiple BIBBs are supported. All the data transfer is configurable using a standard Web browser.

Features

- Read/Write Standard Modbus RTU Register via BACnet/IP
- No Programming Required
- Modbus register mapping configured via web interface
- Fully compliant with BACnet/IP server
- Fully user configurable Modbus RTU slave
- Supports varies baud rate from 2400 to 115200 bps.

BACnet Support

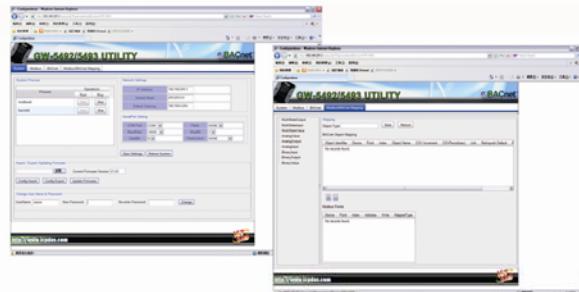
Object	Binary Input, Binary Output, Binary Value, Analog Input, Analog Output, Analog Value, Multi-State Input, Multi-State Output, Multi-State Value, Device
BIBB	DS-RP-B, DS-RPM-B, DS-WP-B, DS-WPM-B, DS-COV-B, DM-DDB-B, DM-DOB-B, DM-DCC-B, DM-TS-B, DM-UTC-B, DM-RD-B

Modbus Support

Code	
01	Read Coil Status
02	Read Input Status
03	Read Holding Registers
04	Read Input Registers
05	Force Single Coil
06	Preset Single Register
15	Force Multi Coils
16	Preset Multi Registers

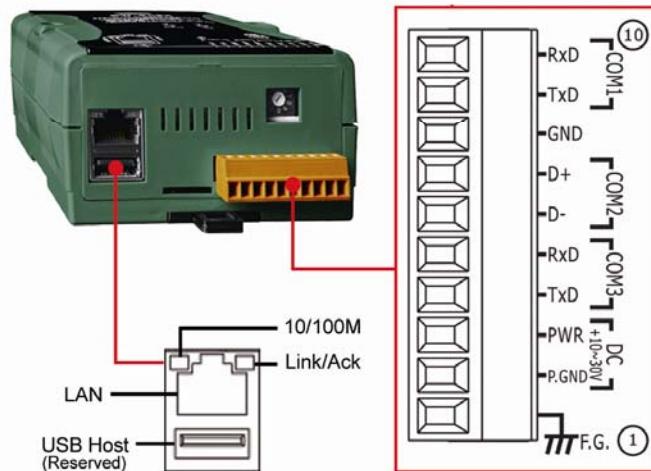
Read the ON/OFF status of discrete outputs in the slave
Read the ON/OFF status of discrete inputs in the slave
Read the binary contents of holding registers in the slave
Read the binary contents of input registers in the slave
Write a single output to either ON or OFF in the slave
Write an integer value into a single register in the slave
Write each coil in the sequence of coils to either ON or OFF in the slave
Write a block of contiguous registers in the slave

Utility Features



- Configured via standard Web browser
- Provide Modbus and BACnet configuration interface
- Update firmware remotely
- Easily mapping Modbus Register to BACnet object

Pin Assignments

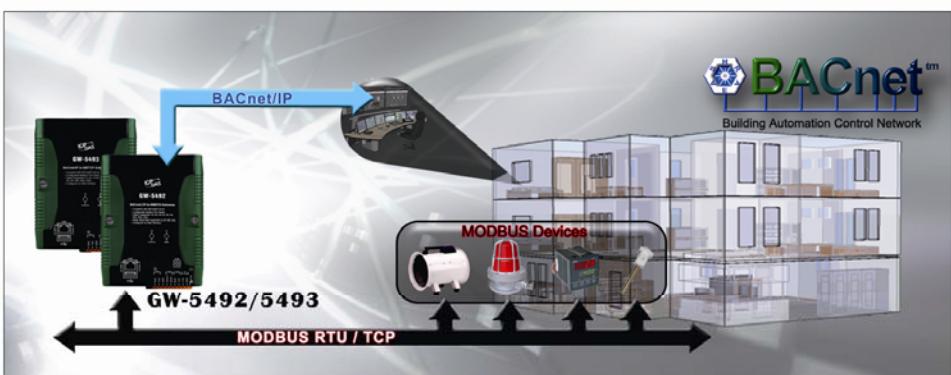




Hardware Specifications

Hardware	
CPU	32-bit
Flash	64 MB
SRAM	64 MB
EEROM	16K bytes
Communication Port	
COM1	RS-232 (Rx,D, Tx,D, and GND); Non-isolation
COM2	RS-485 (Data+, Data-); 2500 VDC; Isolated
Ethernet	10/100Base-TX Ethernet Controller
Protocol	
Modbus	Modbus RTU Master
BACnet	BACnet/IP Server
BACnet Objects	AI, AO, AV, BI, BO, BV, MSI, MSO, MSV (1700 Total Objects)
BIBB Supported	DS-RP-B, DS-RPM-B, DS-WP-B, DS-WPM-B, DS-COV-B, DM-DDB-B, DM-DOB-B, DM-DCC-B, DM-TS-B, DM-UTC-B, DM-RD-B
Mechanical	
Dimensions (W x L x H)	91mm x 131mm x 52mm
Installation	DIN-Rail
Environment	
Operating Temp	-25°C to 75°C
Storage Temp	-30°C to 85°C
Humidity	5 ~ 95%
Power	
Input Range	+10 ~ +30 Vdc
Isolation	1 kV
Consumption	4.8W (0.2A @ 24V)

Application



Ordering Information

GW-5492-CR

BACnet/IP to Modbus RTU Gateway