

BMS Automation Protocol Converter



BMS Converter is an external Building and Industrial Automation multi-protocol device server for OEMs wanting to provide protocol Translation between Serial-Serial, Serial-Ethernet and Ethernet-Ethernet devices using Lon Works®, BACnet, MetasysN2, Modbus and more.

The Converter includes all the hardware and software to enable the customer's products to interface to various networks Each BACnet Converter is provided with the necessary protocol drivers Multiple drivers can be installed on a single Converter We can provide custom driver support when needed.

Features/Benefits

1. The most flexible and versatile multi-protocol Device Server on the market.
2. Supports virtual nodes allowing multiple OEM controllers to connect to a single Converter and seen as separate controllers on the various field networks.
3. TRUE protocol translation and not Protocol packet Encapsulation.
4. Interfaces too ver85 Building and Industrial Automation Protocols.
5. Multi-Client and Multi-Server support ensures inter operability between any Industrial and or Building Automation protocols.
6. Flash upgradeable.

Specifications

SERIALPORT	:1RS-485,2Wire/ 4 wire,5 pin available in GW BMS01, GW BMS02 and GW BMS05
SERIALPORT	:2 (Optional depending on the second Protocol selected) RS-485,2Wire,3 Pin Screw type terminals.
Ethernet Port Connector	:1. 10/100Ethernetport :RJ45
Indications	:LED's for Tx, Rx, Power
Power Connector	:24VAC/DC,Range18 to72V DC.100mA@24V :3PinScrewtype
Environmental	
Operating Temp	:-40°Cto85°C
Relative Humidity	:5-90%RH, non-condensing
Enclosure	
Dimensions	:LxWxH:46x70x111mm(GW BMS 01, 02& 05) :LxWxH: 46.5x84.5x106.5 mm(GWBMS01-02,02-02-R and04) :L x W x H: 50x101x105 mm (GW BMS 03)
Mounting	:DINRail

Supported Host Side Protocols

RS-485

Modbus RTU
 Allen Bradley DF1
 BACnet MS/TP
 Metasys N2
 LON

Ethernet(10/100Base-T) to the OEM's device:

Allen Bradley Ethernet/IP
 BACnet IP
 BACnet Ethernet
 Modbus TCP/IP

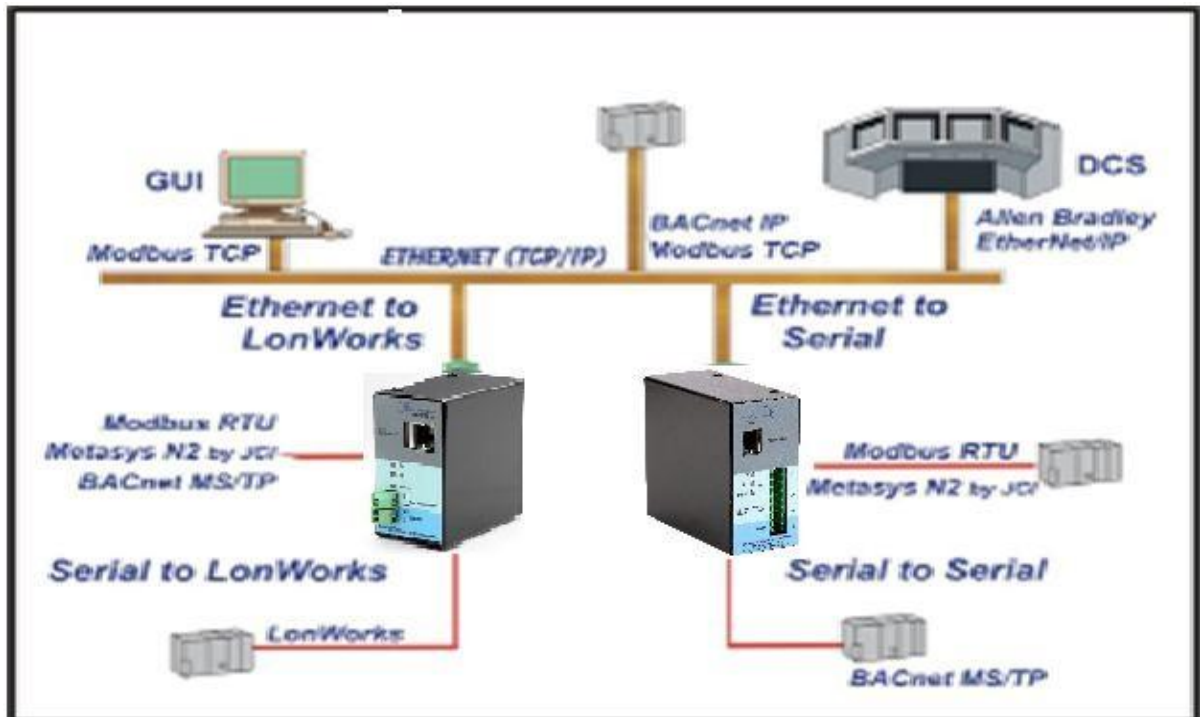
Supported field protocols: Automation Protocols

RS-485

Allen Bradley DF1
 DNP3.0
 TL1
 Telnet

Ethernet(10/100BaseT)

Allen Bradley CSP
 GE-EGD
 GE-SRTP
 OPC, SNMP



Ordering Information:

MODELNO	PROTOCOLS	
GWBMS01	Modbus RTU	BACnet IP
GWBMS01-02	Modbus RTU 2 RS485 Ports	BACnet IP
GWBMS02	BACnet MSTP	BACnet IP/ Modbus TCP / Ethernet IP
GWBMS02-02R BACnet ROUTER	BACnet MSTP 2 RS485 ports	BACnet IP
GWBMS03	Lon Works	BACnet IP / Modbus RTU / Modbus TCP
GWBMS04-A	Modbus RTU /BACnet MSTP	MetasysN2
GWBMS04-B	MetasysN2	BACnet IP
GWBMS04-B-02	MetasysN2 2 RS485 Ports	BACnet IP
GWBMS04-D	BACnet MSTP	Modbus RTU
GWBMS05-A	BACnet IP	Modbus TCP
GWBMS05-B	SNMP	BACnet IP/ Modbus TCP
GWBMS05-C	SNMP	Modbus RTU/BACnet MSTP

NOTE:

1. 32 device scan be multi dropped on the Modbus RTU/BACnet MSTP/N2side.
2. Depending on site conditions this figure may increase or decrease.
3. 485 Repeater may have to be used in between the485 chain tomeetbasic485criteria's.
4. Max1200 points are supported in GW BMS01, GW BMS02 and GW BMS05.
5. Default 1500 points are supported in GW BMS 02-02R, GW BMS04. The point count can be upgraded to 5000 and 10000 respectively.
6. Default 1500 points are supported in GW BMS03. The point count can be upgraded to 4096.
7. Configuration through web browser is supported in GW BMS01-02,GW BMS02-02R and GW BMS04.