ProtoConvert – JSON / BACnet IP Gateway

PG-103-113

The PG-103-113 is an embedded remote monitoring and control solution for BACnet IP devices. This unit can be configured to get data from remote server as JSON, parse the data and then publish it as BACnet IP Data.

Hardware Specifications:

SoC	**BCM2835, ARM1176JZ-F core, 700MHz**
RAM memory	**512Mbyte**
Flash memory	**4Gbyte eMMC**
Power supply	
Supply voltage	**8 ... 28V DC**
Power consumption	**CPU 100% load, Ethernet 100Mbit active**	**155 mA Supply current @ 12V**
Interfaces	
Ethernet	**1 x Ethernet 10/100-Mbit, Auto MDI-MDIX, RJ-45**
RS-232	**1 x RS-232 (RXD, TXD, RTS, CTS), DB9 male**
RS-485	**1 x RS-485, terminal blocks**
Standards	
EU standard	**EN 61326-1:2013**
Environment	
EMC	**EN 55011 group 1 class A, EN 55011 group 1 class B**
Operating Temperature	**0 °C ~ 50 °C 8**
Operating Relative Humidity	**5 ~ 95%, non-condensing**
Storage Temperature	**-25 °C ~ 80 °C**
Protection Rating	**IP20**

BACnet IP Driver Specifications:

Driver Type: Server

Connection information:

Connection type:	Internet Protocol (IP)
Ethernet Speeds	10Base-T, 100Base-T
BBMD	Not supported
Foreign Device	Not supported

- Object Type, Operation and Property Supported:

Object Type	Operation	Property
Analog Value	Read Property	Present Value, Object_Identifier, Object_Name, Object_Type
Schedule Object	Read Property	Present Value, Object_Identifier, Object_Name, Object_Type
Device Object	Read Property	Object Identifier

Read Operations Supported	Properties Supported
Read Property	Present Value

JSON Driver Description

- Driver Type: Client
- Function supported: 'GET'
- Configurable parameters: host URL/end point, JSON keys, Authentication parameters