ROUTER

WC/GC-RP..

BACnet Portable Router

WC/GC-RP.. Series is a BACnet B-ASC Portable Internet router with typical router Functions. The router offers complete Bacnet transparency via Bacnet Ip to Bacnet MSTP communications for up to 32 MSTP devices. As an addition it can function as an expansion device connecting up to 4 x EIM expansion modules. Compatible with any BACnet BTL approved software. The router uses a standard Micro USB connection for the power connection making it ideal for Systems engineers to connect to a network without the need for an external power supply. Model WC-RP has a built in Web server functionality enabling to also be used as a remote monitoring device.

【Description】

- Compliant with American Society of heating, refrigeration and air conditioning (ASHRAE) Developed using the BACnet Application Specific Controller (B-ASC) Communications protocols. Bacnet Ethernet, Bacnet IP, Bacnet MSTP.
- Web Server Functionality using a standard Browser (WC-RP12 model only). Web page design via free AIRTEK HMIkit software editing tool.
- 10/100M Ethernet interface for BACnet Ethernet or BACnet/IP Communications.
- MSTP Master tokens communication interfaces (Peer to Peer), 2,500Vrms Isolation. Data transfer and sharing capabilities read/write external objects, read single or multiple data (DS-RP-A/DS-RPM-A) also change values (DS-WP-A) Capacity
- Capable of complex mathematical calculations such as PID Control, logarithms, trigonometric, advanced mathematical functions such as square root operation functions etc.
- 50 x BV & 50 x AV points for calculations and programming.
- Trend records Schedules, Alarms & Notifications all comply with the BACnet BTL standards.
- AIRTEK WC recorder software can be used to retrieve Trend Logs and store as CSV files.
- WC-RP12 & GC are BBMD devices and can communicate to other BBMD devices over the internet.
- WC-RP12 Can connect to AIRTEK Expansion I/O Modules for additional control points.

【Specification】

Model	Power	Ethernet	MS/TP	EIMnet	Web Setting	Web Server	Av	Bv	Schedules	Alert	Notification	Trend Logs
WC-RP12	3VA	1	1	1	O	O	50	50	5	5	2	5
GC-RP11	2VA	1	1	x	O	X	50	50	5	5	2	5

P o w e r : 5DC Micro USB

CPU : 32 bit (MCU), 128K SRAM、32K FRAM, 1024K Flash.

E t h e r n e t : 10/100M BACnet Ethernet & BACnet/IP.

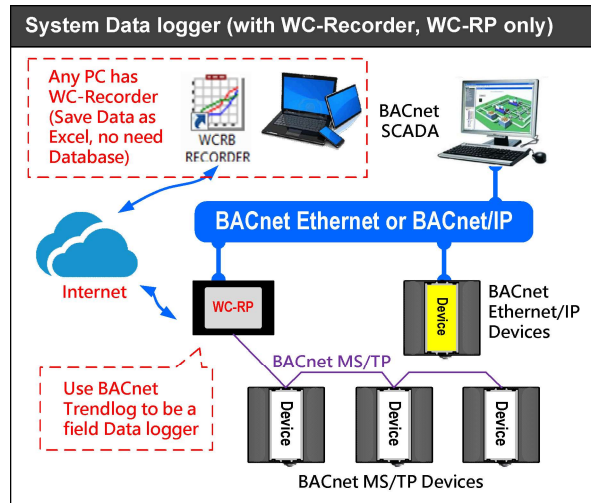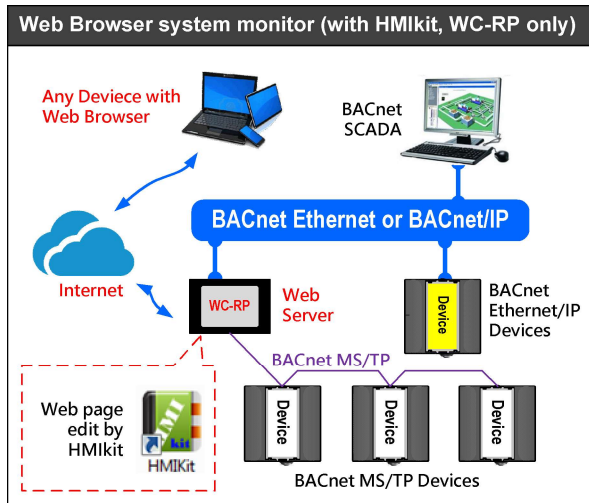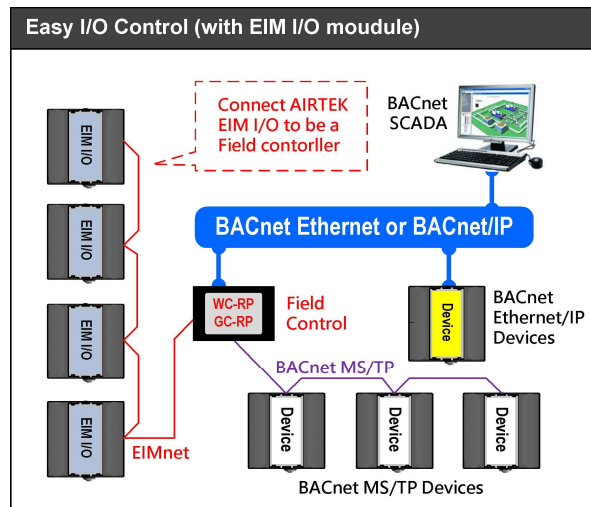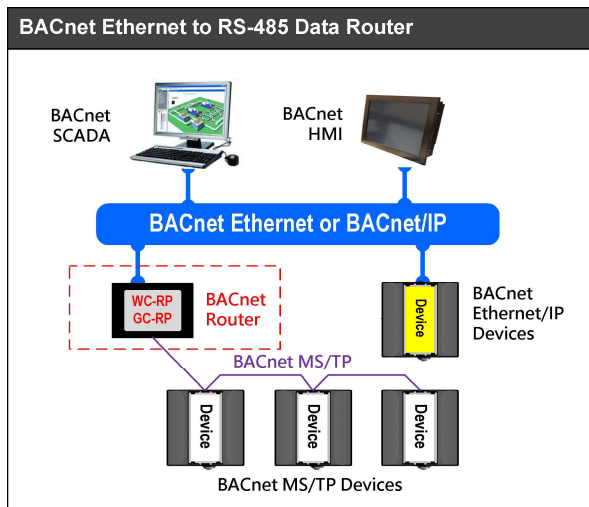**M S / T P** : Peer to Peer RS-485 , 2,500Vrms, 560V peak.

　　　　　　　32Devices, 9,600/19,200/38,400/76,800 BPS, Lan distance 1,200 m

E I M n e t : RS-485, 4 x AIRTEK EIM I/O Modules.

O p e r a t i n g : 0 ~ 50℃, 20 ~ 90%RH.

C o m p l a n c e : BTL、FCC、CE、IBM, RoHS.

【Examples】

BACnet Ethernet to RS-485 Data Router

Easy I/O Control (with EIM I/O moudule)

Web Browser system monitor (with HMIkit, WC-RP only)

System Data logger (with WC-Recorder, WC-RP only)

【Connections】

Dimension : 101 * 62 * 32(mm)

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