

## 【Description】

GCSMSB is a BTL listed standalone BACnet B-AAC class programmable “all in one” Alarm TXT messaging and fully functioning expandable controller. Alarms can be programmed within the controller or receive Alarms from other controllers on the network then send the message to a maximum of 10 preset cellular phones. Remote TXT control is also possible with a return TXT notification of receipt of TXT command. Expansion is possible by using upto 24 x EIM expansion modules. Conforms to international BACnet Ethernet/IP communication protocol and fully compatible with any BACnet system.



## 【Features】

- BTL listed BACnet Advanced Application Controller (B-AAC) class device.
- 10/100M Ethernet interface can be either BACnet Ethernet or the BACnet/IP communication protocol, Peer to Peer function – read/write to other DDC’s objects, can issue a read (DS-RP-A/DS-RPM-A) and write (DS-WP-A) BACnet object properties function.
- EIMnet communication interface can connect up to 24 x EIM I/O expansion modules.
- RS-232 communication interface to GSM module connection by AT command.
- PIN code input mode available for SIM card.
- Dual system of GSM 900/1800MHZ, applicable for most regions.
- Support brief message up to 60 English characters (contains alarm time and status).
- GSM module can be remotely located by RS232 cable to allow for better mounting location.
- 2 Calendars, 12 Schedules, 4 Notification Class, 40 Event Enrollments standard BACnet objects. Read or write 20 external devices with maximum 100 points.
- Automatically sends BACnet notification messages up to 10 preset cellular phones. The message can be sent in a preset timezone and send to a specific person according to the notifications number.
- 1 configure port for device setting and debug with AT command
- 150 AV and 150 BV points, there are 20 message command, these commands help setting or inquiry data. 10 phone numbers, 10 notification number for different receivers. 1 PIN code setting, 1 message setting code, 1 language selection. Quality of signal, error code, error message, total messages in the waiting list.

## 【Specification】

Model	EIM Q'TY	Calendar	Schedule	Notification	Event	BV Points	AV Points
GCSMSB	24	2	12	4	40	150	150

**Power Supply** : 24VAC, 2VA.

**Microprocessor** : 32-bit high performance MCU, 128K SRAM, 128K FRAM and 512K Flash memory.

**Ethernet Port** : 10/100M Ethernet interface, can be either BACnet Ethernet or BACnet IP communication protocol.

**EIMnet Port** : 2-Wire RS-485 network, communication speed 38,400 bps, max. length 1,200 meters, up to 24 x EIMs.

**GSM Port** : RS-232 DB-9 male connector, supports peer-to-peer communication, communicate with GSM module by AT Command.

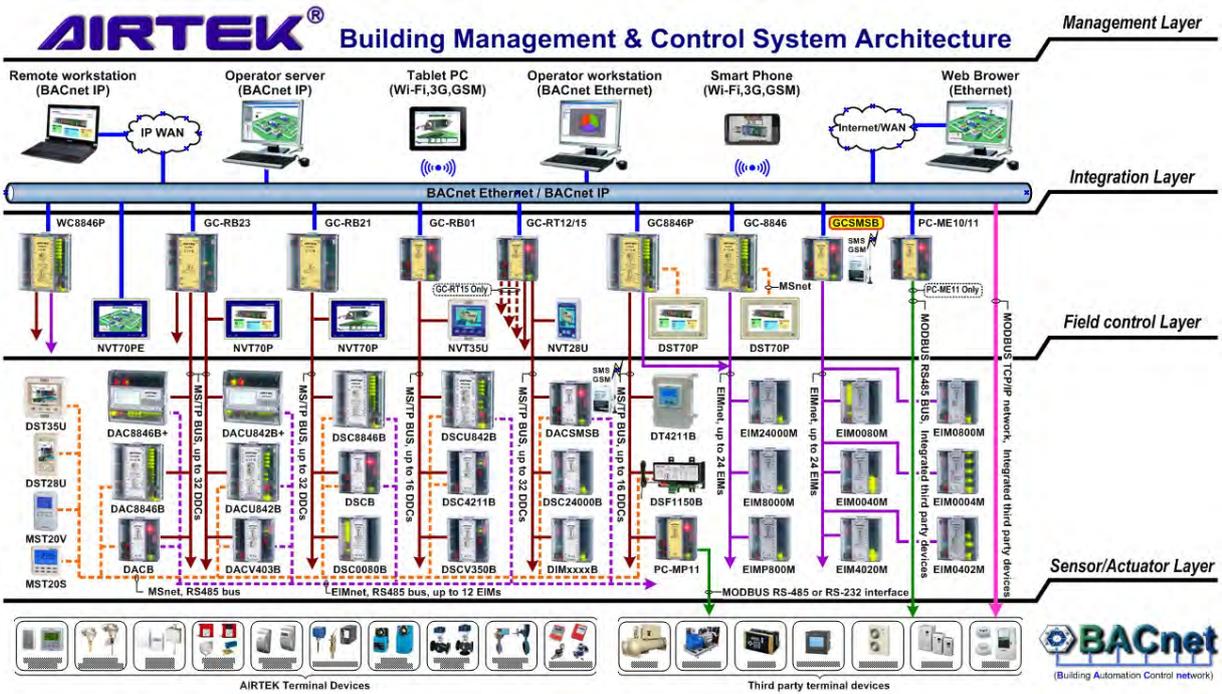
**Environment** : 0~50°C, 20~90%RH, non-condensing.

**Certification** : CE(EMC Directive 2004/108/EC), BTL(BACnet Testing Laboratory Listed BACnet Advanced Application Controller (B-AAC)), IBM, ROHS

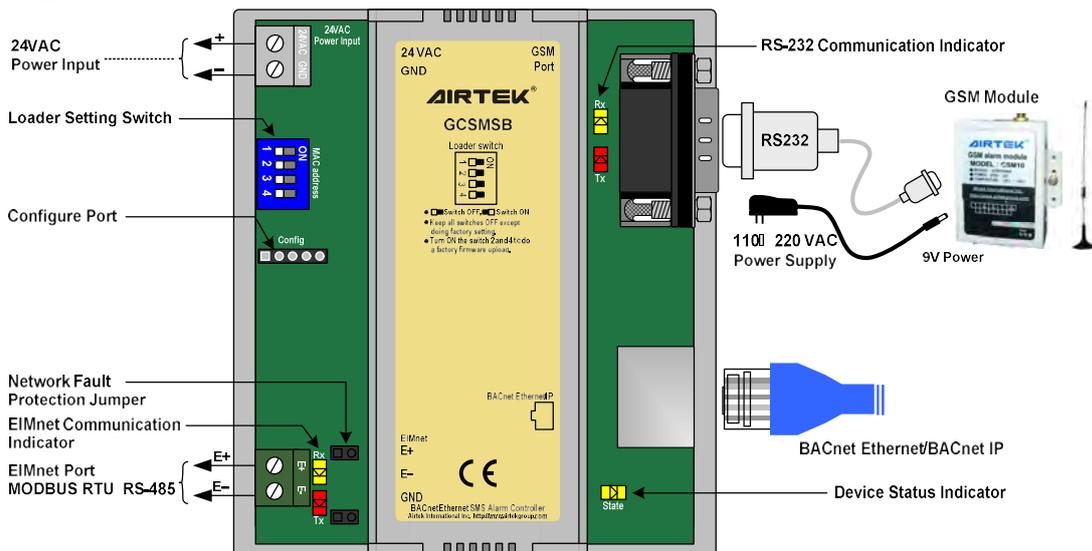
## 【Accessories】

**GSM11...(3G)**GSM communication module. An external antenna and power supply are included.

## 【Network Architecture】



## 【Wiring Diagram】



## 【Installation】

- GSM module is included with SMS alarm module. (SIM card and cell phone are not included).
- The GSM module should be installed at location with a good wireless signal.
- Stand alone or network with BACnet B-AAC or higher class controller when using an alarm function.

## 【Dimensions】 Unit : mm

