

Integration Layer Device

BACnet Ethernet Global Controller

GC-DB11

【Description】

GC-DB11 is a BTL listed operation independently BACnet B-BC class LAN communication integration building programmable stand alone controller. It has standard BACnet Schedules, Calender, Event Enrollment, and Trend-Log functions. It is designed for monitor and control building electromechanical device, large AHU, clean room, fume hood, large-scale end device control. It has a 10/100M Bases-TX Ethernet port that can communicate with operated workstation and global controller through BACnet Ethernet or BACnet/IP communication protocol. In addition, it has an EIM port can connect up to 24 EIM modules with 38,400 BPS. Its MSnet port can connect to an external control panel to make user operation and control easily at the job site. GC-DB01 conforms international BACnet network communication and fully compatible with any BACnet system. It is absolutely the best product for your building.



【Features】

- Standard BACnet Building Controller (B-BC) level listed device.
- Peer to peer communication, programmable, stand alone, alarm, event, calendar, schedule, and trend-log functions.
- 32-bit Microprocessor. 1M+128K SRAM, 128K FRAM, and 8+1M Flash memory.
- 10/100M Ethernet port. Selectable BACnet Ethernet or the BACnet/IP communication.
- A MSnet port for an external control panel. Selectable communication speed 9600/19200/38400 BPS, 1200 Meter.
- An EIM port for up to 24 EIM I/O models. 38400 BPS, 1200 Meter.
- A RS-232 port for internal parameters setup by using a null modem or an AD-linker cable (in the Airtek AD-linker Suite)
- On-line firmware update, program edited, program downloaded.
- Provide proportional, integral, differential, floating, logic, mathematics, enthalpy and dew point etc. functions.
- Provide Calendars, Schedules, Notification Class, Event Enrollments, Trend-logs, standard BACnet object, in which Schedules and event enrollments support external object access function.
- Possessed 1000 analog value (AV) points, 1000 binary values (BV) points. The BV points have the priority function.
- Built-in real time clock and gold capacitor backup power.

【Specification】

Model	EIM Model#	Calendars	Schedules	Notification	Event	Trend-logs	BV Points	AV Points
GC-DB11	24	10	100	10	100	100	1,000	1,000

Power Supply : 24VAC/DC, 5VA.

Microprocessor : 32-bit high performance microprocessor with 1M+128K SRAM, 128K FRAM 及 8+1M Flash memory.

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

MS net Port : RS-485, connect to one control panel.

communication speed 9,600/19,200/38,400 bps adjustable, maximum length 1,200 meters

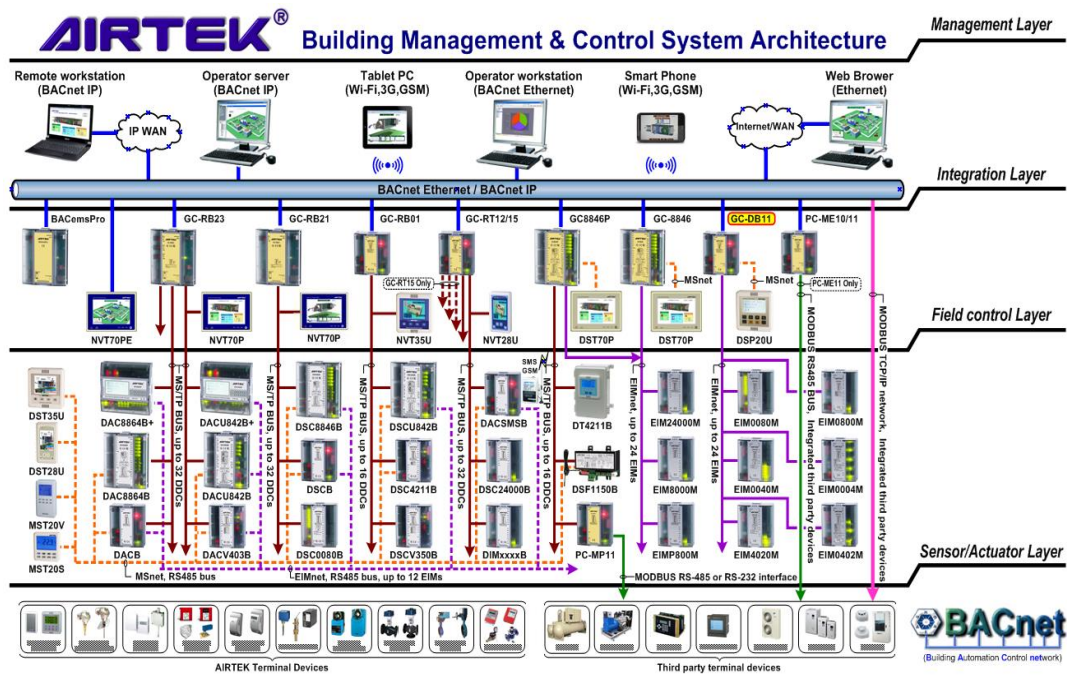
EIM Port : RS-485, connect up to 24 I/O Expansion module. Communication speed 38400 BPS, 1200 Meter.

Clock : Built-in real time clock and gold capacitor to keep clock running when power off.

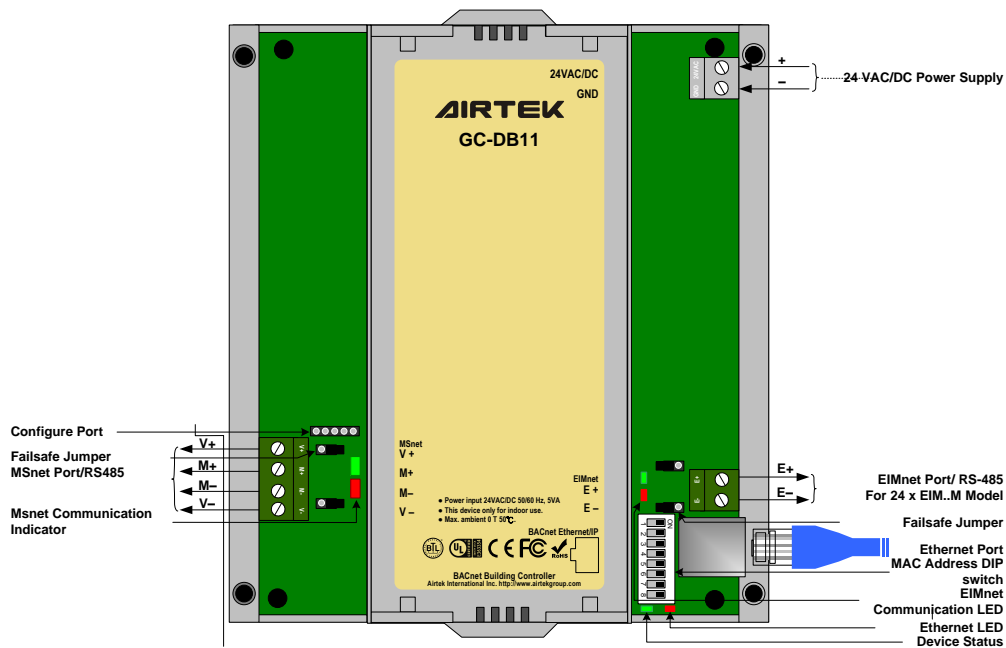
Environment : 0~50℃, 20~90%RH, non-condensing.

Certificate : UL916, CE, FCC, RoHs

【Network Architecture】



【Wiring Diagram】



【Dimension】 Unit : mm

