BERT® CONNECT

BACNET/IP GATEWAY
WIRELESS BAS INTEGRATION FOR PLUG LOAD

CONNECTIVITY OVERVIEW

Seamlessly integrates plug load and hardwired devices into BACnet/IP Building Automation Systems, enabling the BAS to manage and control miscellaneous electric loads in context with other building loads over the existing 802.11 WiFi network.

Discovers Berts
Stores Building Data for BAS
Translates BAS Commands for Berts

CONTROL ALL BUILDING LOADS WITH THE BAS

With BERT CONNECT, the BAS becomes the single point of control for all building loads, including office and breakroom equipment, classroom electronics, exhaust fans, lighting, and air handling units.

Building data such as temperature, watts, volts and amps from plug and hardwired loads can be viewed and analyzed by the BAS UI. Devices can be controlled by temperature set points, power threshold level or time-of-day schedule. Large distributed loads such as water heaters and AC units can be easily added to existing load shedding or demand curtailment programs initiated by the BAS.

Each Gateway supports up to 500 Berts. Gateways can be installed in a centralized location or distributed throughout individual buildings.

BERT CONNECT HARDWARE

Quad Core Windows 10 Mini PC
2 GHz Intel Celeron Processors
4 - 8 GB RAM
32 GB HDD
Wi-Fi 802.11 b/g/n
6.8 x 5 x 1.5 inches

Bert
Your energy control freak

Meet BERT Your energy control freak.

All Plug and Hardwired Loads

TECHNICAL OVERVIEW

B-ASC BACnet Application Specific Controller
B-GW BACnet Gateway
Each Gateway supports 500 Bert devices
Compatible with all Bert hardware models

TECHNICAL DESCRIPTION

Property	BACnet Type	Description
Bert Temperature	Analog Value	Most recent Temperature reading (°F)
BERT RSSI	Analog Value	Received Signal Strength Indicator (db)
Bert Calibration Temperature	Analog Value	Individual temperature offset for temperature data accuracy (°F)
Bert Power Threshold	Analog Value	Threshold Value (Watts)
Bert Power Measurement	Analog Value	Most recent Power reading (mW)
Bert Current Measurement	Analog Value	Most recent Current reading (mA)
Bert Voltage Measurement	Analog Value	Most recent Voltage reading (Volts)
Bert High Temperature Threshold	Analog Value	High Temperature Threshold value
Bert Low Temperature Threshold	Analog Value	Low Temperature Threshold value
Bert Reliability Count Down	Analog Value	Communication Status Indicator
Bert Relay State	Binary Value	Current Relay Status (On/Off)
Bert Temperature Feature State	Binary Value	Indicates whether BERT TEMPERATURE feature is enabled
Bert Hardware Switch Disable	Binary Value	Indicates whether manual override switch is enabled
Bert ON/OFF Toggle Enable	Binary Value	Indicates whether manual override switch On/Off Toggle is enabled
Bert High Temperature Threshold Action	Binary Value	Action (On/Off) associated with High Temperature Threshold setting - optional
Bert Low Temperature Threshold Action	Binary Value	Action (On/Off) associated with Low Temperature Threshold setting - optional
Bert SSID	Binary Value	Non-functional value to obtain Bert SSID
Bert Static IP Address	Binary Value	Non-functional value to obtain Bert Static IP
TS1	TS Object	One Time Schedule object for each Bert
CAL1	Calendar Object	One Calendar Object for each Bert
NC1	Notification Object	One Notification Object for each Bert

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