

# BERT® REST

RESTFUL SERVICES SOFTWARE GATEWAY  
WEB SERVICES PLUG LOAD INTEGRATION

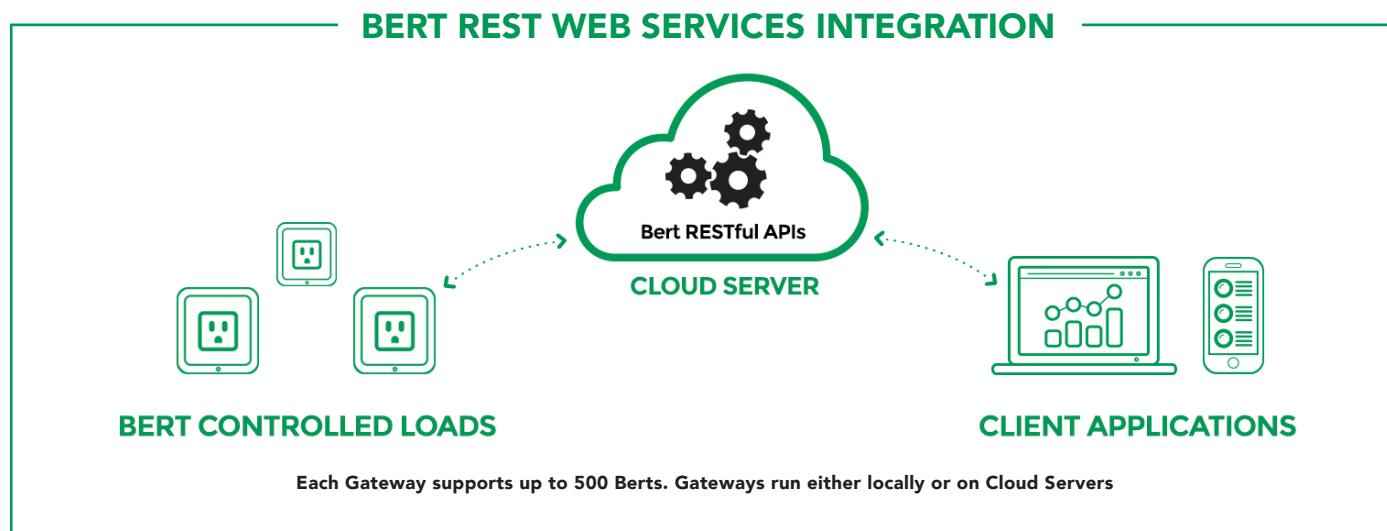


## INTEGRATION OVERVIEW

**BERT REST** lets web-based analytics, energy management and building automation systems integrate, measure, analyze and control circuits and plug load devices. Frequently controlled loads include AC units, water heaters, exhaust fans, air handling units, vending machines, office, and breakroom equipment.

Developers easily integrate with Bert IoT-enabled hardware and software using Bert's RESTful APIs. Local or remote HTTPS clients use BERT REST to discover Bert hardware devices, control Bert managed loads and retrieve Bert data such as volts, amps, watts, RSSI and temperature. Individual Berts use the existing 802.11 Wi-Fi network to communicate with **BERT REST**.

Benefits of integration include verifiable energy savings and improved building efficiency.



## ADVANCED PLUG LOAD MANAGEMENT

- GET and POST power threshold settings
- GET and POST temperature settings and temperature calibration
- GET and POST relay state
- GET and POST schedule events
- GET average power readings
- GET real-time temperature data
- GET API information
- DELETE Single Bert or All Berts

## TECHNICAL OVERVIEW

### ABOUT BERT REST

**PROTOCOL:** HTTPS

**DATA FORMATS:** JSON AND XML

**SECURITY:** SSL and Self-signed Certificates

**BERT HARDWARE:** Compatible with all Bert models

### MINIMUM SERVER REQUIREMENTS

**OS:** Windows 10

**CONFIGURATION:** VM or Standalone

**RAM:** 4 - 8 GB RAM

**PROCESSOR:** i5 Compatible Quad-Core

**STORAGE:** 32 GB HDD

### SUPPORTED WI-FI ENVIRONMENTS

**IEEE STANDARD:** 802.11 A/B/G/N

**SECURITY:** WPA2-Personal or Enterprise

**RADIO FREQUENCY:** 2.4 or 5 GHz



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All Plug and Hardwired Loads