



## PRODUCT DESCRIPTION

The BMGW-BAC-DC-BLE BACnet Gateway implements BACnet/IP for data sharing and topology mapping, providing wireless control and device management in industrial deployments.

## ORDERING INFORMATION

Description
BlueMesh Industrial BACnet Gateway
Part Number
BMGW-BAC-DC-BLE

## TECHNICAL DATA

Type	BACnet Gateway
Power supply	
Micro USB	5 VDC(± 5%), max. 5.5V, 1A
Power over Ethernet	48 V DC, 0.1 A(IEEE 802.3af)
Bluetooth Scan Range	328ft(100m)-radius
Memory	64 MB 16-bit DDR2 RAM 16 MB SPI NOR Flash
Operating system	Linux-based OpenWrt
Network protocol	BACnet IP, v. 1.24, UDP
Processor	32-bit 575 MHz-Wifi and Ethernet 32-bit 64 MHz-BLE
Operating Temp.	-13°F to 149°F(-25°C to 65°C)
Required humidity	Max. 95%, non-condensing
Enclosure dimensions	5.9" x 5.9" x 1.4"
Net Weight	0.34 lbs(155g)
Warranty	5 years limited warranty.

## FEATURES

- Change of Value (CoV) protocol implementation.
- Structured View object-based system mapping.
- User-configurable BACnet object naming conventions.

### Application

On-premises integration of the Bluetooth® NLC-based lighting system with the BMS, and the gateway is commissioned by BlueMesh based on the client-prepared configuration data.

### Capacity and Performance

Up to 200 Bluetooth® mesh network messages per second.

### Project Requirements

Up to 300 Bluetooth mesh devices per gateway. 1 area per gateway. Up to 100 lighting zones per gateway. UTF-8 character set.

### Communication Protocol

Bluetooth® 2.4 GHz Bluetooth Low Energy  
Ports

1 x RJ45 10/100 Ethernet with PoE support  
2 x USB 2.0 Type-A

### Mounting Location

Wall or surface mounted.

Position as close as possible to the lighting network's geometric center, while maximizing distance from potential interference sources.

### Devices Communication Distance

