

# Ethernet Remote Access Bridge



**Remote Firmware Updates**

Updates are provided automatically by Avi-on without user input required

**Static IP Configuration**

Configure with a static IP address provided by the network administrator for additional layer of security

**Ethernet Network Connection**

Connect to the internet via an Ethernet RJ-45 Connection. Useful in corporate network environments that do not support wifi internet access

**Secure Remote Access and Backup for Avi-on Bluetooth® Lighting Systems**

**Easy Setup**

The RAB connects to the Bluetooth network just like any other Avi-on device, and connects to the Ethernet network automatically. Configure static IP and other settings using an easy to access browser page

## PRODUCT OVERVIEW

### Ethernet Remote Access Bridge Features

The Avi-on Ethernet Remote Access Bridge (RAB) provides secure 24/7 access to Avi-on Bluetooth Lighting Control Systems from anywhere in the world, enabling remote management of the system, visibility to current device status, and capture of energy monitoring data (requires Avi-on energy monitoring hardware). Allows connection via Ethernet (RJ-45)

**Secure Remote Access**

The Avi-on bridge is not a gateway, and cannot be used as a platform to access a building network or lighting controls. All key IP access ports are closed and firmware cannot be updated without special access and a unique password not available to users. The bridge has passed multiple security threat tests and requires no special access ports or virtual networks (VPN).

**Security Features**

- UL 1376 Platinum IOT Cybersecurity Certified
- Access password protected with secure email password reset.
- All traffic is HTTPs encrypted. Passwords use SHA256 or better.
- No use of special or dedicated access LAN ports.
- No VPN required, works with standard corporate firewall.
- No way to connect to Bridge using methods that can load malicious firmware (e.g. SSH, Telnet). Restricted access even inside local network, even if you have a password.

Project		Location/ Type	
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# ORDERING INFORMATION

Part Number	Product Name	Connection Type	Supply Voltage
AVI-RAB-ETH	Ethernet Remote Access Bridge	Ethernet RJ-45	48VDC PoE/PoE+ (Supports Type 1 or 2)

To order please contact Avi-on sales at  
**(877) AVION-US**, (877) 284-6687 or  
**[prosales@avi-on.com](mailto:prosales@avi-on.com)**  
 for information on becoming an Avi-on partner and order details.

# SPECIFICATIONS

### Electrical

Voltage (VDC)	Peak I (mA)	Idle I (mA)	Peak Power (W)	Idle Power (W)
12.0	130	80	1.56	0.96
48.0	43	30	2.06	1.44

### Case Dimensions (Excluding Type A Plug)

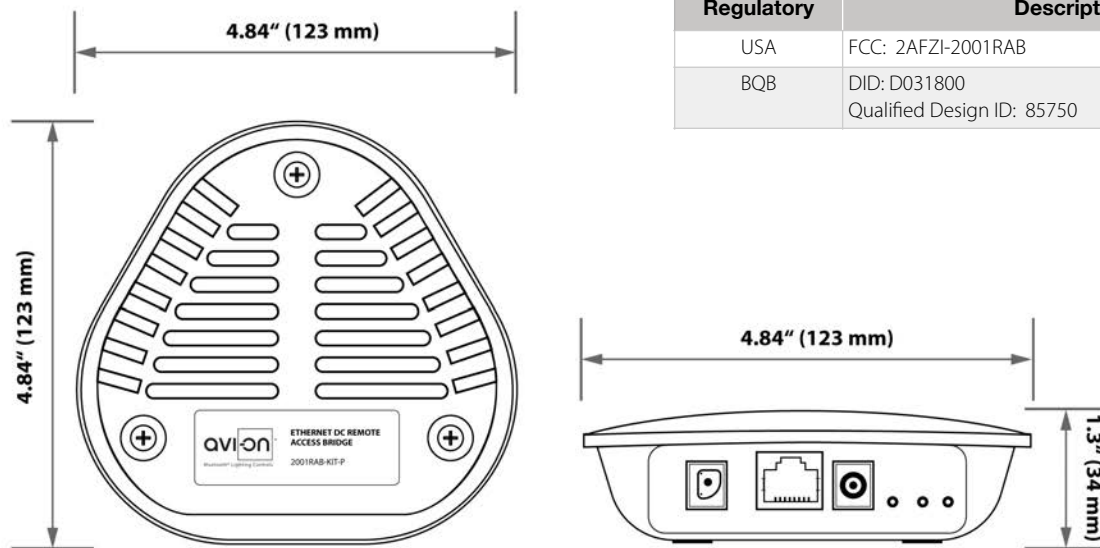
Part	Length	Width	Height
All	4.84" (123 mm)	4.84" (123 mm)	1.3" (34 mm)

### Environmental

Type	Min
Ambient Operating Temperature	-32°F to 113°F (0°C to 45°C)
Storage Temperature	-4°F to 140°F (0°C to 60°C)

### Certifications

Regulatory	Description
USA	FCC: 2AFZI-2001RAB
BQB	DID: D031800 Qualified Design ID: 85750



**Figure 1: Dimensions**

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