

Controls

Wireless Bluetooth® Mesh Gateway

- Optional Gateway Enables Advanced Features
- Adds Astronomical Time Scheduling To The Mesh Network
- Provides Real Time Power Consumption Data Of Lighting Loads
- See Real Time Occupancy Heat Map of Enabled Spaces
- Multiple Gateways Can Be Networked Together on a Single Project
- IoT Solutions
- Bluetooth® SIG mesh
- Remote Data, Monitoring And Provisioning
- Transmits Data To TruBlu™ Cloud



Specifications

Description

This optional gateway extends the capabilities of a mesh network with Internet access. Data from Bluetooth SIG Mesh lighting control networks can be collected by the Gateway and transmitted to the Cloud, where it can be analyzed and visualized. The gateway can control multiple areas. A single area is a single level of a building and includes a floor plan which helps to navigate through commissioning, monitoring and maintenance of a project. The gateway can manage data from a network of approximately 200 Bluetooth mesh devices and works with qualified Bluetooth mesh stack.

Key Features

- IoT gateway with wall mount bracket
- Powered by 12V DC (1–1.5A) or PoE 802.3af
- 10/100 Ethernet with PoE support
- Supports Bluetooth SIG Mesh, TCP/IP, and IPv4 protocols
- Bluetooth range up to 100 ft (30.4 m)
- Operating temp: 32°F to 158°F (0°C to 70°C); Storage: -40°C to 85°C
- White ABS plastic housing, 0.56 lbs (0.254 kg)

Operation

- TruBlu™ Mesh Gateway qualified by Bluetooth SIG (Mesh 1.0.1)
- Connects to Bluetooth mesh network for wireless control
- Access via TruBlu™ web portal or mobile app
- Supports initial design, setup, scheduling, and adjustments
- Enables advanced features like energy monitoring and demand response
- See TruBlu™ Commissioning Manual for full details

Note:
1. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

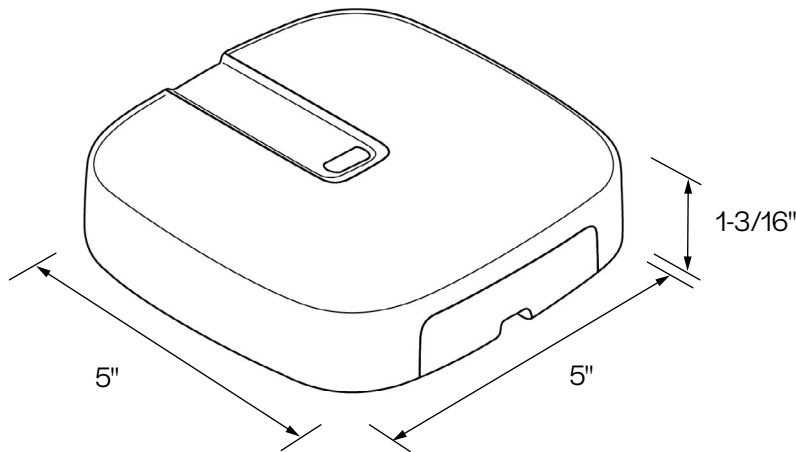
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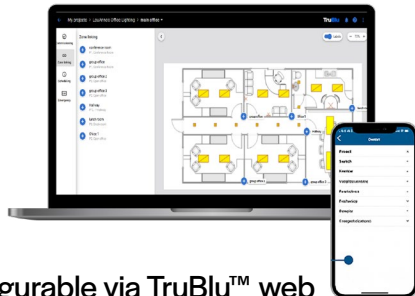
Ordering Information

Product SKU	Product Code	Product Description
25428	PSC-SGW-101-DC	Bluetooth SIG Mesh Gateway, TruBlu™ Silvair Technology Partner

Dimensions



Commissioning App



Configurable via TruBlu™ web
portal or iOS mobile app



Scan to Download the
App for iOS Devices

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Remote Maintenance and Upgrades

The gateway is remotely upgradeable (regular maintenance updates). Remote access to gateway data, remote monitoring, remote provisioning. The owner of the lighting installation needs only to install the gateway in the space, but does not need to perform health-checks or do the updates. Monitoring and logging alerts for the key performance metrics such as: CPU load and connectivity status. In case of an unexpected issue with a gateway device or a need of an emergency reconfiguration, the owner / installer needs to contact the support and these cases are handled by the gateway provider.

Networking Options

- Qualified Bluetooth Mesh
- 10/100 Ethernet with PoE 802.3 af
- Outbound and inbound amplification increasing connectivity range
- Static IP

Upgrades and Security

- Linux Operating System, secure boot & encrypted file system
- High level of hardware and software security (secure boot & encrypted file system that can only be accessed with the management platform)
- Secure provisioning of devices: gateways are provisioned with secure IDs and encrypted keys
- Automatic security updates
- OS updates & fixes to vulnerabilities as soon as any discovered

Gateway Network Options

Gateway uses DHCP to configure its IP address, default gateway, and DNS servers. The gateway requires the user to whitelist specific remote hosts and ports. A complete list is provided in the TruBlu™ gateway setup and connection instructions. Be aware that many of these hosts resolve to multiple IP addresses which may change at any time. System administrators should not rely on whitelisting individual IP addresses for these services.