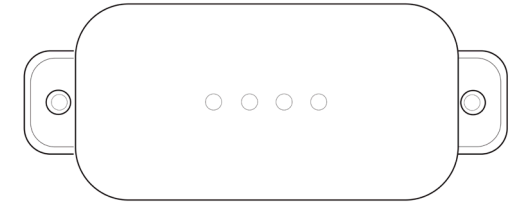


Gate Casambi



Warnings

→ Ethernet cable from PoE switch to Gate Casambi:

01. Cable type: Cat6 FTP or Cat6a FTP/SFTP

02. Maximum length: 100 m

→ PoE input voltage

→ Device-to-device communication via BLE Mesh within the Casambi network:

Network frequency: 2.405 MHz to 2.477 MHz;
+4 dBm

→ Maximum 4 Gates Casambi can be connected to the same Brain or Brain XP.

→ Minimum distance requirement between a Gate and a network element:

At least one element from the network must be within 30 meters of the Gate

→ Control capacity:

01. Gate Casambi: up to 12 devices

02. Gate Casambi XP: up to 150 devices

Overview

The Gate Casambi enables seamless native integration with Casambi, unlocking effortless connectivity and advanced lighting control within the Protopixel ecosystem.

Integrate Casambi devices seamlessly into Protopixel and expand possibilities: effortless configuration, control, and real-time status overview through a floor plan interface. Scale your Casambi projects to larger, more ambitious installations with ease.

→ Individual control and management of Casambi devices

→ Visual placement of devices within an interactive floor plan

→ Real-time status monitoring through bidirectional communication

→ Creation of moods, schedules, and behaviours

→ Full compatibility with the entire Protopixel platform and ecosystem

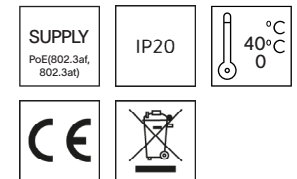
→ Historical logging of key activities and events

→ Local API available for seamless integration with Building Management Systems (BMS)

→ Compatible with white and tunable white luminaires

A Gate Casambi allows you to add up to 12 devices, while the Gate Casambi XP supports up to 150 devices.

Technical characteristics



(A) Power supply

Power over Ethernet (PoE)

(B) LED status indicator

The module has 4 LEDs on the front. When the device is set to identify mode via the surface, the LEDs 2-4 start to flash green and blue in ascending and descending order for 10 seconds.

LED Position	Name	Status & Meaning
1	Operating LED	Flashes green → Device operating normally
2	Network Status	Solid yellow → Network cable connected
3	UDP LED	Solid green → Gate Casambi communicating correctly with the Brain
4	TCP/IP LED	Always red → TCP/IP connection not used

(C) Button

The hardware button is only available on devices manufactured after March 2022. It can be accessed by opening the 4 screws on the underside of the unit.

Press duration	Action	Description
0s < 15s	LED test program	Activates the LED test mode
15s < 30s	Soft reset	Resets IP settings and login data to factory defaults
> 30s	Hard reset	Restores all settings to factory defaults and completely erases memory

References

All measures indicated in mm

