

Outdoor CAP



Juganu's proprietary High Bandwidth CAP (Centralized Access Point), provides an easy-to-deploy, highly reliable, secure, flexible, dynamic and intelligent connectivity infrastructure.

The CAP functions as a gateway, creating an autonomous, self-managed and scalable luminaire network. It automatically connects with Juganu's luminaires and ensures their smooth operation.

Wireless Network Standards for Lighting

The CAP complies with the FCC 15 part B standards for:

- 915MHz to 928MHz

Wi-Fi Network Standards for Data

The CAP complies with the Wi-Fi IEEE 802.11ac standards for:

- 5GHz (channels permitted per country)



Outdoor CAP

City & Infrastructure

Product Data

Product Segment:	Outdoor FOAM™ Smart HUB
Product Type:	Street & Road lights with full embedded FOAM capabilities
Product Family:	Cap Outdoor

GENERAL INFORMATION

Dimensions (mm)	280 x 280 x 130
Weight	4.5 kg
Materials	Technopolymer GWPLAST 75 in compliance with EN 50267-2-2

OPERATING AND ELECTRICAL

Power Consumption	50W (maximum)
Operating Voltage	110 – 277 V
Maximum Voltage	100 – 305 V
Surge Protection	10KV / 5KVA
Operating Frequency Range	915MHz, UNII1
Operating Temperature	–30°C to +55°C
Humidity	95% non-condensing
Water Resistance (IP Rating)	IP66
Effective Data Throughput	500 Mbps with 40MHz bandwidth 800 Mbps with 80MHz bandwidth
Interface	- AC power - RJ45 - Sealed connectors, bottom side
Transmitter Output for data (EIRP)	Up to 36 dBm
Transmitter Output for lighting control (EIRP)	Up to 10 dBm
LED indicators	- Power - Link
Mounting	Wall Mount, Pole Mount & Mounting Bands Optional - Customized adaptor design to meet specific requirements

Standards Compliance for Lighting

The CAP complies with the FCC 15 part B standards for:

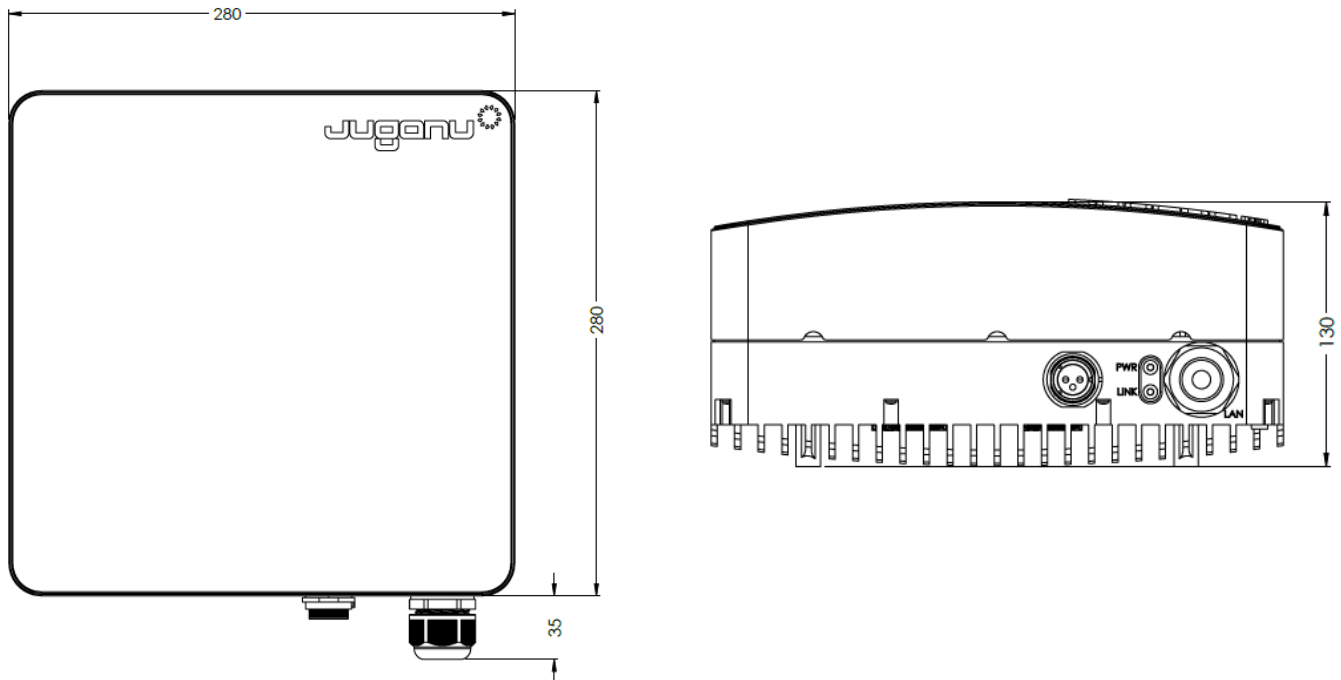
- 915MHz to 928MHz

Standards Compliance for Data

The CAP complies with the Wi-Fi IEEE 802.11ac standards for:

- 5GHz (channels permitted per country)

Mechanical Dimensions



Maintenance and Deployment

The self-configuring network automatically accepts a new node into the existing structure without requiring any adjustments by a network administrator, enabling easy deployment.

Installation and removal of the CAP is easy. No pre-installation design or installation plans are required to ensure stability and to operate smoothly.

FCC warning statements:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.