Outdoor CAP

Centralized Access Point

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

Features

- **Proprietary High Bandwidth Design:**
  Ensures seamless communication between luminaires, supporting high data throughput for advanced functionality.

- **Easy Deployment:**
  Engineered for plug-and-play setup, the CAP simplifies installation, reducing time and effort for deployment in any environment.

- **Centralized Gateway for Smart Networks**
  The CAP acts as the brain of the network, enabling a cohesive and efficient operation of the connected luminaires.

- **Optimized Luminaire Performance**
  Automatically pairs with Juganu's luminaires to ensure smooth operation and optimal functionality.

- **Simplified Network Management**
  Consolidates control of the luminaire network into one centralized system, reducing complexity and operational overhead.

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GENERAL INFORMATION

Dimensions (mm)	280 x 257 x 99.9
Weight	3.80Kg
Materials	Aluminum body with powder pain Polycarbonate (PC)

OPERATING AND ELECTRICAL

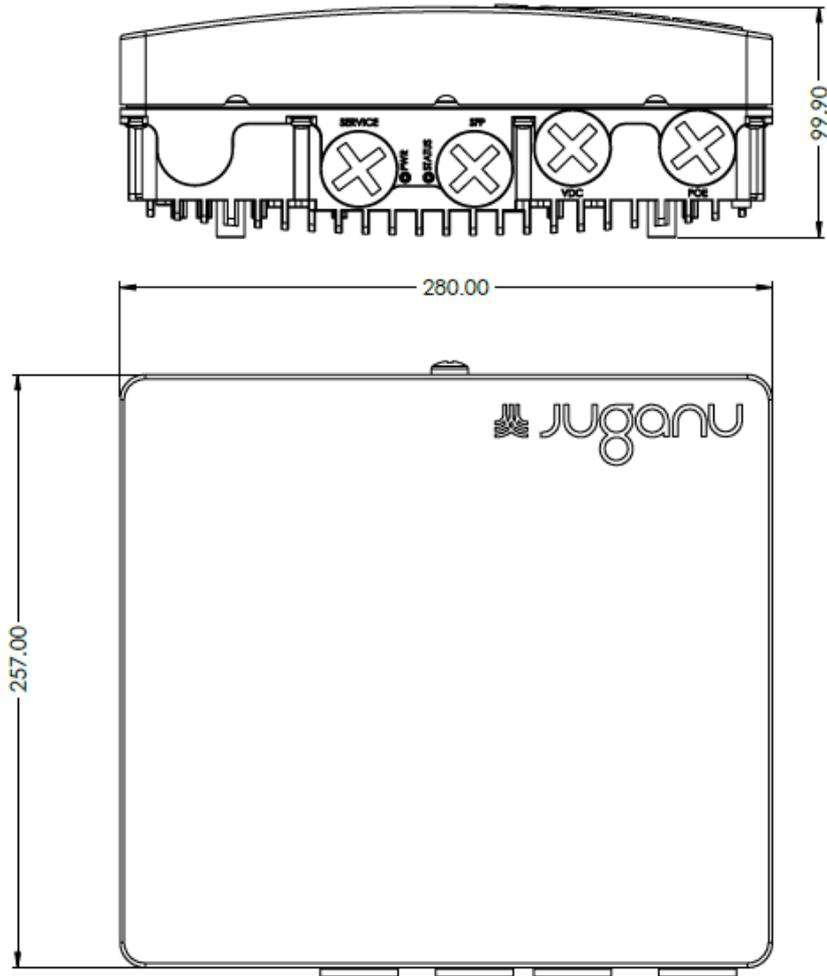|	
Power Consumption	25W (maximum)
Supply voltage option VD	48V DC
Supply voltage option VP	POE 802.3at
Operating Frequency Range	433 or 915MHz, UNII1, UNII3, UNII4-UNII8
Wireless technology, dual radio	802.11ax WIFI6, WIFI6E
Operating Temperature	-40°C +55°C (-40°F to +131°F)
Humidity	5-95% non-condensing,
Protection Rate (IP Rating)	IP66
Data Throughput	• Up to 1500Mbps (aggregate)
Interface (Sealed connectors, bottom side)	• DC power • POE/RJ45 2.5Gbps • SFP+ 5Gbps • Technical Service COM Port (Serial)
Transmitter Output for data (EIRP)	Up to 36 dBm
Transmitter Output for lighting control (EIRP)	Up to 10 dBm
LED indicators	• Power • Status
Mounting	Wall Mount, Pole Mount Optional - Customized adaptor design to meet specific requirements
Color	White, RAL 9003

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STANDARDS (additional local standards applicable)
The product is designed to meet the following standards:

STANDARDS AND CERTIFICATIONS

Group	Standard abbreviation	Description
EMC	FCC Part 15 Subpart B CISPR 32	Emission
	ETSI EN 301 489-1,3 ETSI EN 301 489-17,19	Immunity
Radio	ETSI EN 301 893 EN 300 220-1,2 FCC Part 15 Subpart C	Radio Standards
Mechanics and Environment	IEC 60529, EN 60529	Protection rate
	ETSI EN 300 019-1-4 Class 4.1	Environmental
Safety	IEC 62368-1 IEC 60950-22 UL 62368-1 UL 60950-22	Safety Standards

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.

Packaging and Weight

Unit Dimensions(mm)	Packaging Dimensions (mm)	Net Weight	Gross weight
280*257*99.9 mm 11 x 10.1 x 3.9 in	430*320*160 mm 16.9 x 12.6 x 6.3 in	3.8 kg 8.4 lb	5.5 kg 12.1 lb

Ordering Information

Frequency	**433** – 433 MHz	
	915 – 915 MHz	Default
Supply voltage	**VP -** POE	Default
	VD - 48V DC	
Installation	**OD** – Outdoor	

Product	Lighting wireless freq	Family	Supply Voltage	Installation
JCP-JNET1	XXX	JNET2	VP	OD

Ordering Example

JCP-JNET1-915-JNET2-VP-OD

Description

Outdoor CAP ,JNET2 family, 915 MHz,PoE

Note: 48V DC power supply and PoE equipment are sold separately and are not included with the product