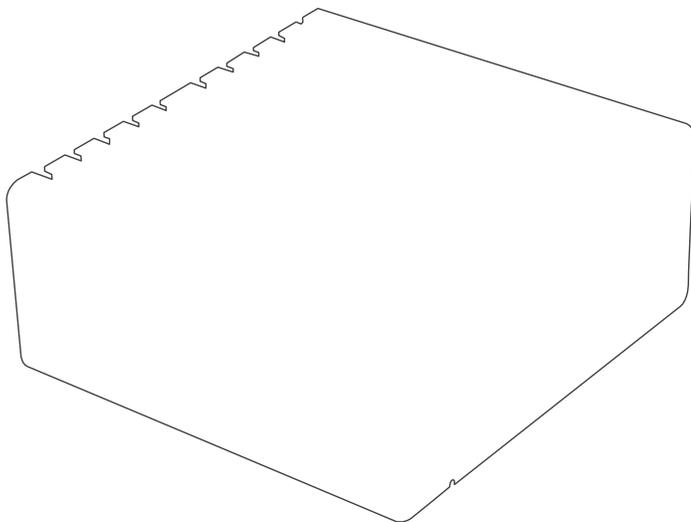# The System to Reach the Cloud

Embue Core™ is a purpose-built appliance that lives in the apartment building. It provides collection, local processing and bidirectional transfer of data. Commands and alerts from the Embue mesh building network, devices, and software are sent to the Embue Super Cloud™ that it serves.

The Embue Core is an edge device for collecting minute-by-minute data such as energy usage, temperature, moisture and occupancy for consumption by analytic algorithms. Owners and managers gain instant information and control of their buildings' equipment and indoor environment.

The Core's architecture collects data to transform it into alerts, actions and valuable information. Embue Core sustains automated building responses, communication and information that enable creative human decision making. The operational labor gains are revolutionary.

The Core has the appropriate OS, firmware and hardware components that support the secure and consistent collection of data. It reliably delivers this data for automation, alerts, remote control and information.

Functional Summary

Collects and stores live building data

Connects to Embue Super Cloud™ platform, securely and reliably

Manages Embue smart device building control network

Manages smart devices

Supports adding to or removing from network

Performs over-the-air firmware upgrades

Administers network security

Enforces access control and privacy rules

Maintains critical operations when the internet goes down

Technical Specifications

Physical

Dimensions	4.57" x 4.33" x 1.93" (WxDxH)
Weight	2lbs
Enclosure	Fanless embedded system and black aluminum case
Power Adapter	36W 12VAC
Mounting Options Available	DIN Rail Mount Kit and DIN Rail Clip

Environmental

Operating Temperature Range	32°F - 120°F
Operating Relative Humidity	0 - 90% (non-condensing)

Communication

Wireless Standard	Long range IEEE 802.15.4 mesh network
Ethernet	Gigabit Ethernet RJ-45 (two ports)
USB slots	USB 2.0 (four slots)
Processor	Minimum 1.5 GHz multi core
Memory	Minimum 2GB and permanent storage

Power

110/220VAC

Warranty

2 years

Approvals

FCC Part B, UL

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Smart Apartments for Residents + Building Intelligence for Owners™

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