



# Overview of Cassia's Edge Computing

Making Bluetooth IoT Easy. Scalable. Secure.



## Why Edge Computing?

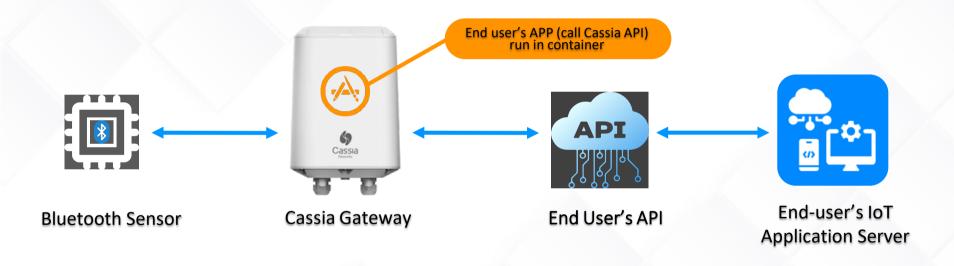






### Cassia's Edge Computing Solution





Bluetooth data is collected, analyzed, encrypted and transmitted by the end user's own APP at the edge of the IoT network









### **Operating System**

Linux Ubuntu (lightweight version)



#### **Utilities & Packages**

Python, Node.js, C, C++, ASP.NET, etc.



#### Bluetooth API

Cassia RESTful API (recommended) and BlueZ

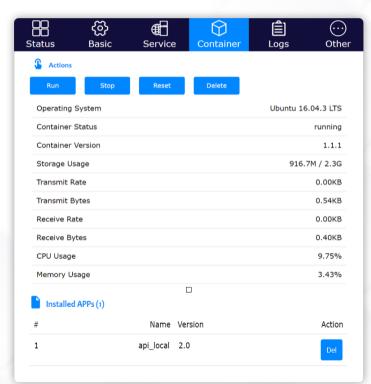


### Configuration & Management



- The container and APP can be managed through Cassia's IoT AC and gateway's local console
- End-users can add APP's custom configuration options

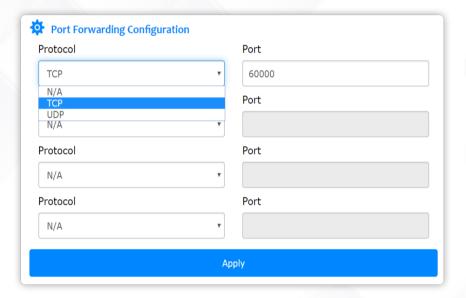






### **Accessing Container Data**





- End-users can configure a maximum of four TCP or UDP ports for container port forwarding
- With this feature, end-users can set up a server (e.g. OPC UA server) in the container and access container data via the gateway's private IP and the configured port





### Key Differences between Gateways

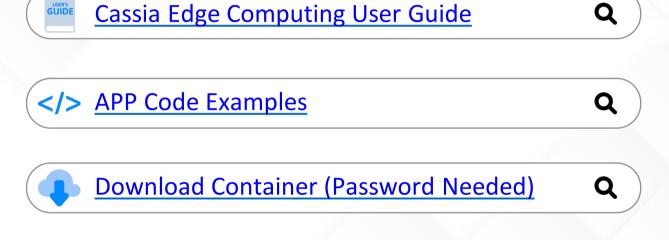
Gateway	S2000	E1000	X1000	X2000/ATX2000
Supports Edge Computing	NO	YES	YES	YES
Container Memory	N/A	128MB	128MB	700MB
Container CPU	N/A	Two cores 1.5 GHz	Two cores 1.5 GHz	Two cores 1.5 GHz
Container Storage	N/A	2.3 GB	2.3 GB	2.3 GB

\*All other edge computing functions are the same









Cassia RESTful API

