



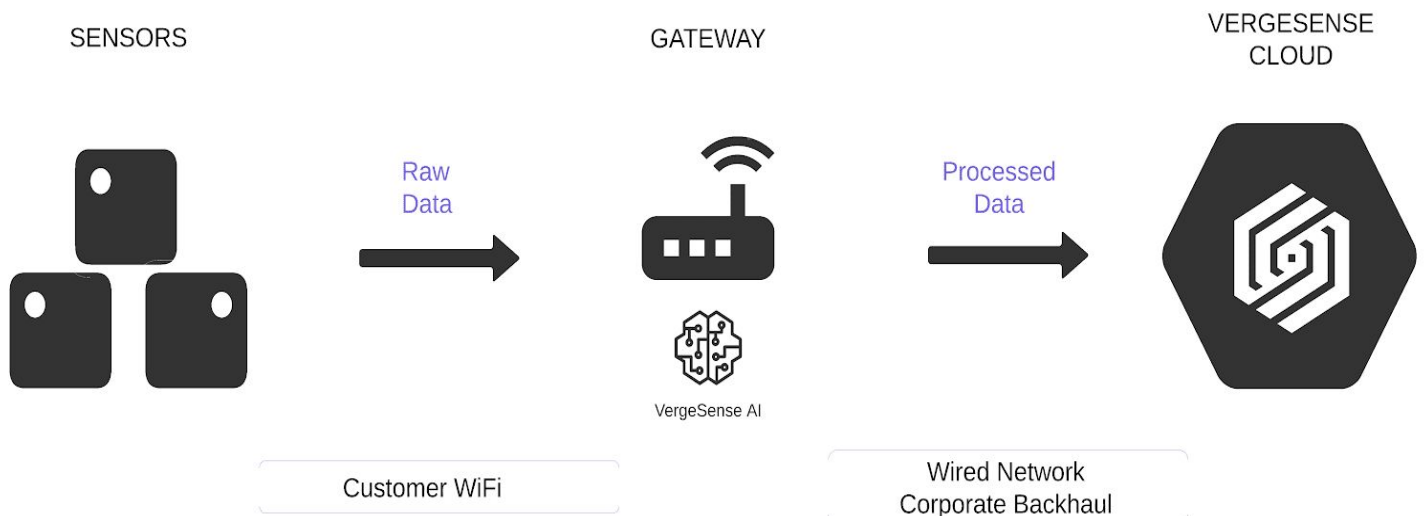
Network Architecture: "Guest WiFi" + Hardware Gateway

Using existing infrastructure for easy wireless sensor deployment

VergeSense VS-LXX Series wireless battery powered sensors have flexible network configuration options.

Guest WiFi

The "Guest WiFi" option uses an existing Guest, IoT or standard WiFi (SSID) network already set up to make the deployment of devices simple and ensure the most stable wireless connectivity.



** Customer WiFi (SSID and Authentication method) information needs to be provided to VergeSense **PRIOR** to shipment of devices*



CUSTOMER WIFI

- Using existing Customer WiFi network
- 2.4GHZ WiFi network
- Sensors use DHCP
- Authentication via WPA2

WIRED NETWORK BACKHAUL

- Gateway plugged in over Ethernet into corporate switch
- Gateway needs Static IP or DNS address as a destination for sensors

SENSORS -> GATEWAY

- SENSORS collect Raw data
- SENSORS connect to the WiFi
- Raw data sent from SENSORS to GATEWAY

GATEWAY -> CLOUD

- GATEWAY receives Raw data from SENSORS
- VergeSense AI on the GATEWAY processes data into JSON to send to the VergeSense Cloud

NETWORK REQUIREMENTS

- DNS Whitelist
 - dns.google.com
 - *.amazonaws.com
 - *.cloudfront.net
 - *.ngrok.io
 - *.ngrok.com
- Open Ports:
 - 443
- VS GATEWAY needs static IP or DNS address