

SMART-HUB

Product Specifications



OVERVIEW

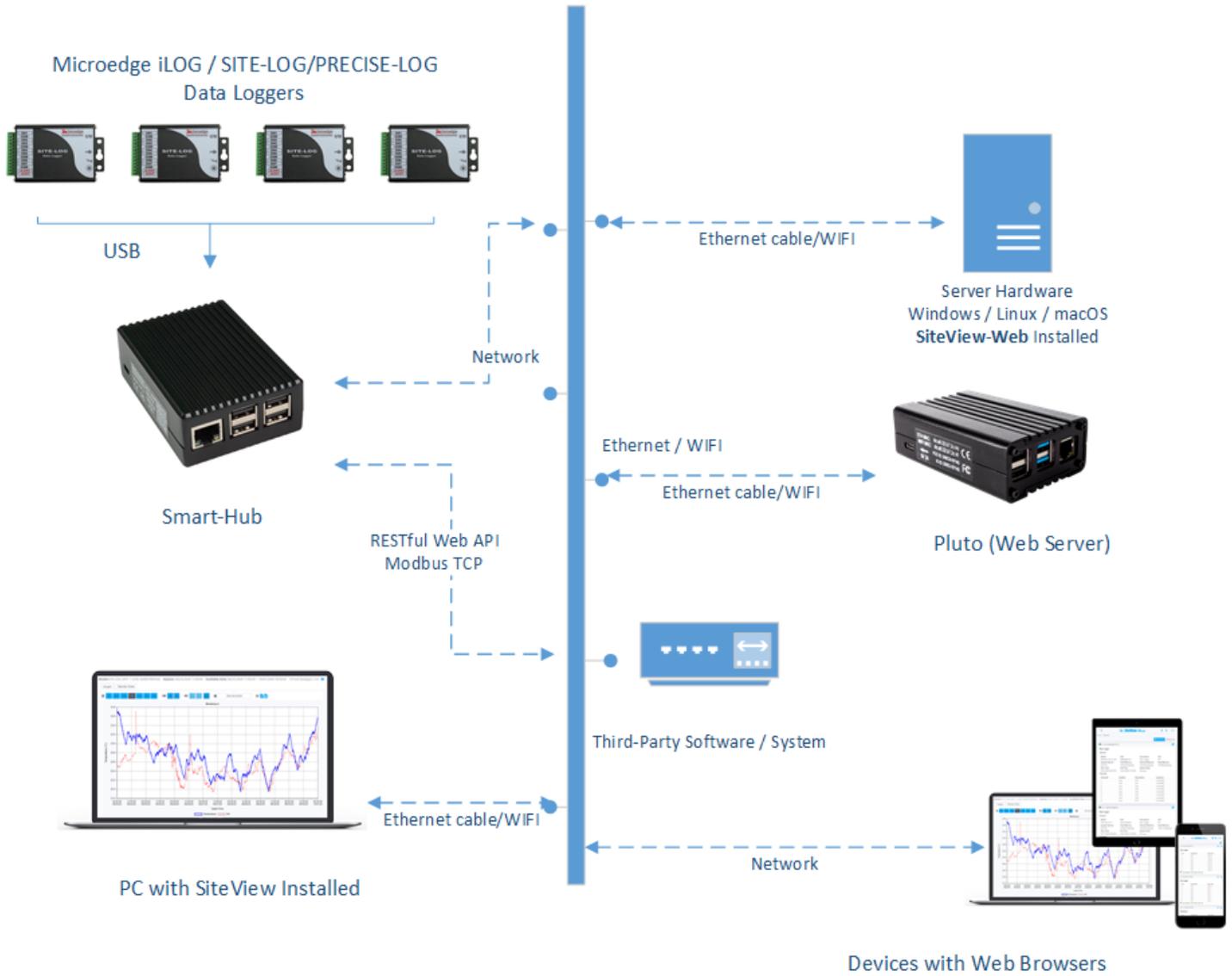
Smart-Hub is a slim but powerful 3-in-1 hardware that provides multiple popular communication standards allowing Microedge and other systems to access and interact with Microedge data loggers remotely in much more flexible but standard ways.

It offers the following standards and functionalities:

- 1. USB Device Server:**
Smart-Hub acts as a USB Device Server allowing SiteView, SiteView Web, SiteView SDK and Pluto to access all data loggers connected to Smart-Hub's USB ports.
- 2. RESTful Web API**
Smart-Hub provides RESTful Web API endpoints that allow other software and systems, to view data logger activities, download data and view real-time readings.
- 3. Modbus TCP Gateway**
Smart-Hub is also a Modbus TCP gateway that turns all connected data loggers into Modbus TCP slave devices. Real-time readings are saved in Input Registers and made available for Modbus Masters to poll and consume.

FEATURES

- ❖ **RESTful API:**
Access the device and its data loggers from your own system/software via its Web API endpoint services.
- ❖ **Modbus Access:**
All connected data loggers become standard Modbus TCP slave devices
- ❖ **Admin Web Portal:**
Easily view and change settings from your own browser
- ❖ **Remote Access:**
Communicate with data loggers from any place where Ethernet/Internet is available.
- ❖ **Multiple Access:**
Multiple clients can access the same data logger simultaneously.
- ❖ **Multiple Data Loggers:**
Up to four data loggers can be connected to its dedicated USB ports.
- ❖ **Secured Password Protection:**
Only authorized clients can access the system.
- ❖ **Dynamic IP Addressing:**
The IP address is assigned automatically by the DHCP server after it is connected to the network.
- ❖ **Power Source to Data Logger:**
Smart-Hub provides a 5VDC power supply to the connected data loggers, preserving the data loggers' onboard battery.



Data Logger Network Option – Smart-Hub

DETAILS

General Information	
Product Name	Smart-Hub
Model	SMH-1
Software	RESTFul APIs, Modbus Embedded software supports communications with: SiteView, SiteView SDK, SiteView-Web, Pluto
IP Addressing	Dynamic
Power Requirements	5VDC, USB cable provided
Approvals	CE, FCC
Network Connections	
Ethernet	Ethernet (1 - RJ45 Female) cable provided
Data Logger Connections	
USB	4 - USB A Female
Supported Data Loggers	SITE-LOG, iLOG, PRECISE-LOG
Capability	
Max. Data Loggers	Up to four data loggers can be accommodated
Max. Clients	Unlimited
Mechanical	
Operating Environment	0 ~ +50 °C (32 °F ~ 122 °F), 10 ~ 90% RH non-condensing
Dimensions	90 X 64 X 32 mm (3.5 X 2.5 X 1.25 in)
Weight	220g (0.48 pound)