

Automation Connectivity Challenges



Infrastructure Costs

Lack of automation, expense for upgrades and modifications.



Limited Knowledge

Limited capabilities for maintaining complex automation solutions.



Network Topology

Communication between plant floor/automation and business networks is limited or restricted.



Complex Setup

Complexity of deploying as effective solution is often a major roadblock.



Resources and Bureaucracy

Validated systems, organization, and required downtime for changes limit new automation.

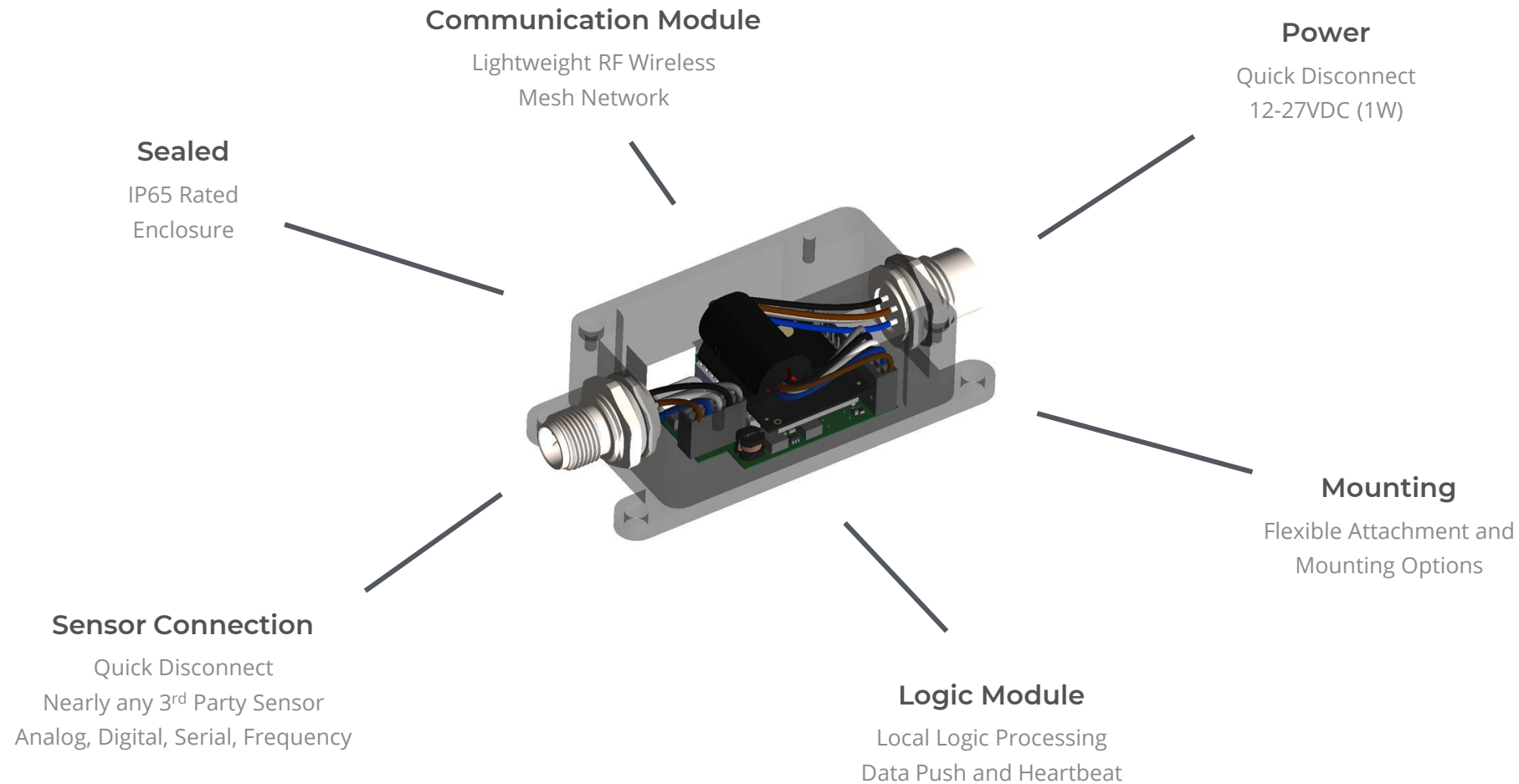


Connectivity

Setting up unfamiliar communication drivers and servers is another major stumbling factor.

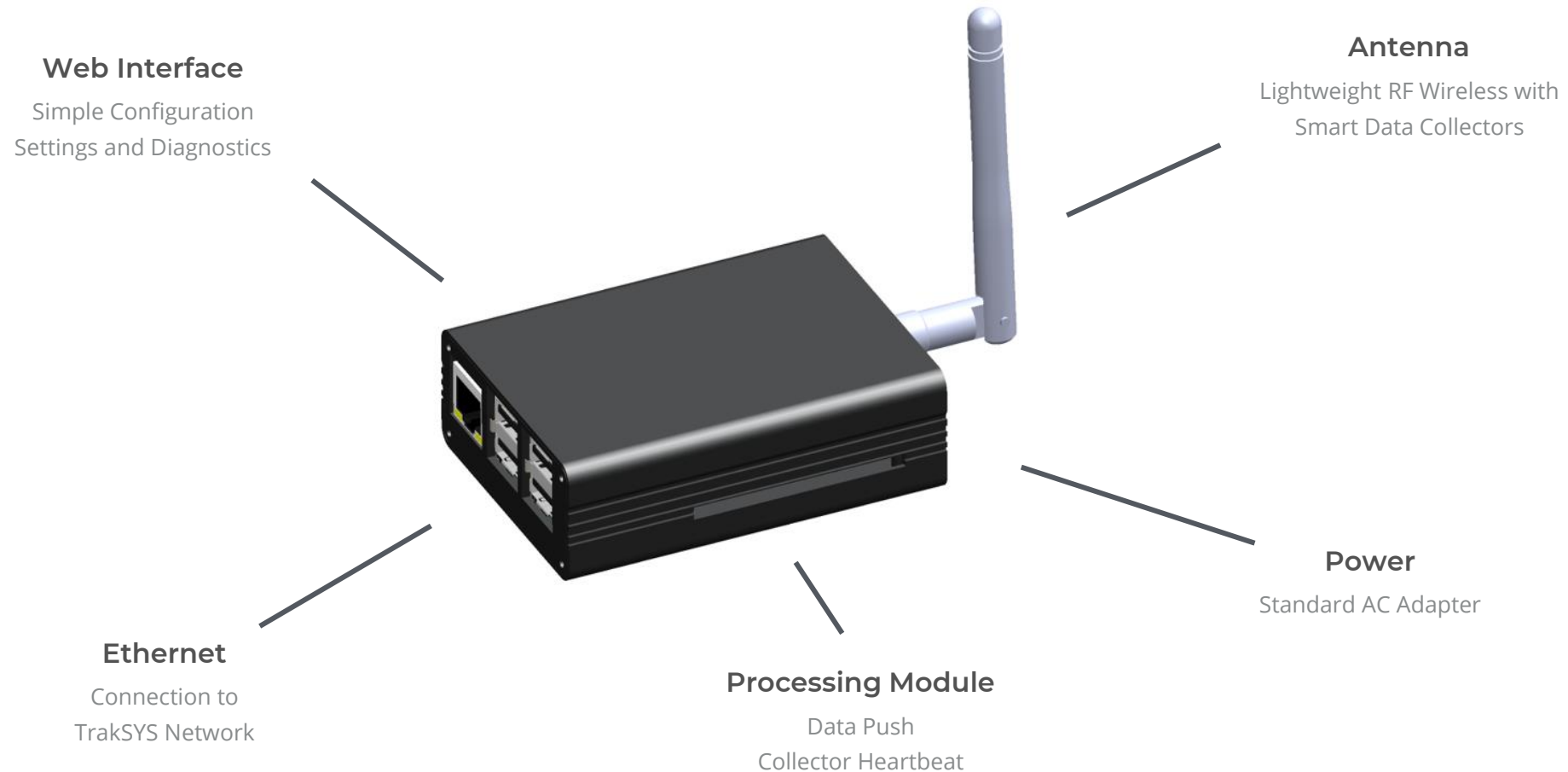
Smart Devices

Smart Data Collector

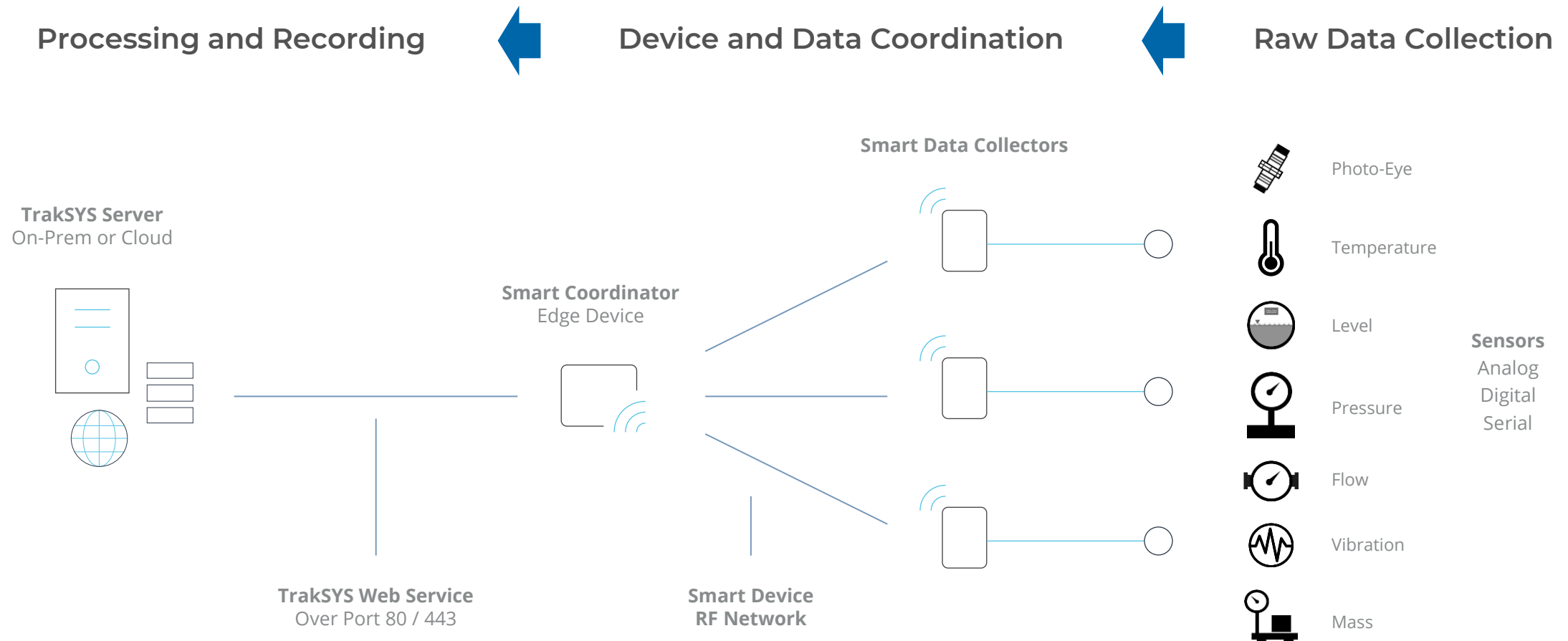


Smart Devices

Smart Coordinator



Smart Devices Smart Architecture



Smart Devices Mesh Network

Zero Configuration

New Data Collectors connect and begin Communicating Automatically

Self Mending

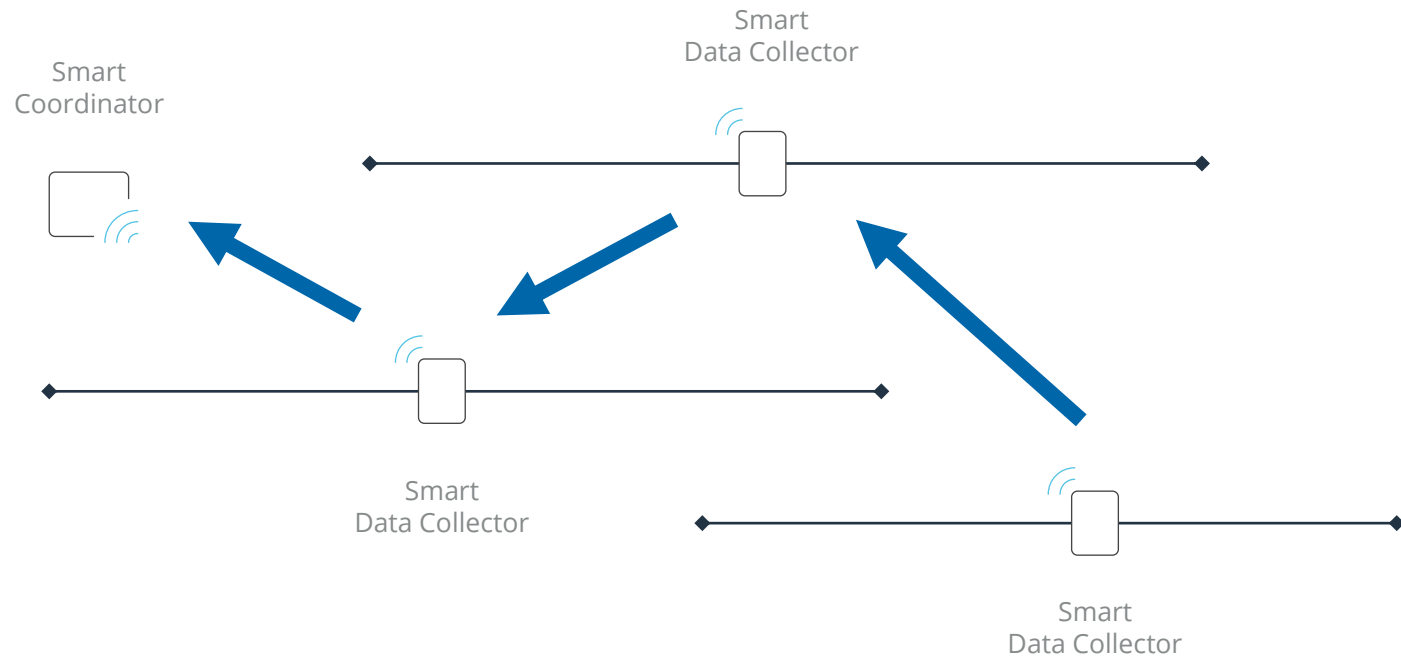
Add new Data Collectors to the Edge of the Network as Needed

Data Relay

Data is relayed to the Coordinator through the closest Device

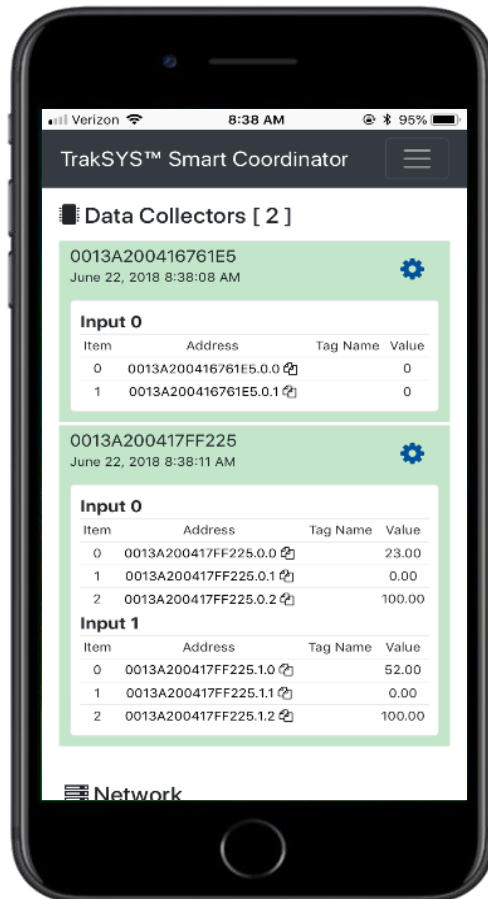
Add and Expand

Add new Data Collectors to the Edge of the Network as Needed



Smart Devices

Web Based Configuration



Seamless Configuration

New Data Collectors connect automatically and can be configured locally from any wireless device.

Power Up and Go

The network will automatically configure itself and maintain connectivity once power is applied.

TrakSYS Native

Designed specifically for TrakSYS, Smart Devices tie in easily to Smart Tags for instant data gathering.

Smart Devices

Simple Configuration

1

Smart Coordinator

- Connect Power
- Connect Network (to TrakSYS)
- Configure TrakSYS™ Endpoint (Web Service)

2

Smart Data Collector

- Connect Sensor
- Connect Power
- Verify connection to Coordinator

3

TrakSYS™

- Configure Smart Tags with Data Collector Addresses
- Consume Tags in standard Configuration
- Start/Restart Logic Service

Smart Devices TrakSYS Connectivity

