



*Physically Block  
Cyberattacks*



Learn more about how data diodes work and get product specifications at [www.fend.tech/products](http://www.fend.tech/products)

## Safely Monitor Data Center Telemetry for Asset Analytics & Energy Efficiency

Monitor real-time energy usage and asset operational readiness from HVAC, EPS, and more from anywhere. Compare asset performance with AI-driven tools. Use the power of predictive analytics to detect equipment failures before they happen. Fend's data diodes and optional cloud-based data collection service allow you to safely bring industrial control systems online using a physically enforced one-way data flow that totally eliminates cyber attack vectors on control systems.

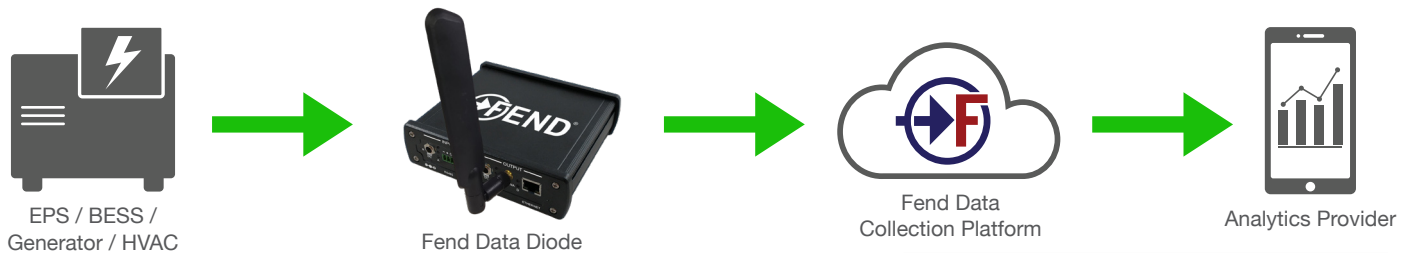
**Example 1: Listen to industrial network traffic and send relevant data to machine learning-based tools to help prioritize maintenance tasks and equipment upgrades.**



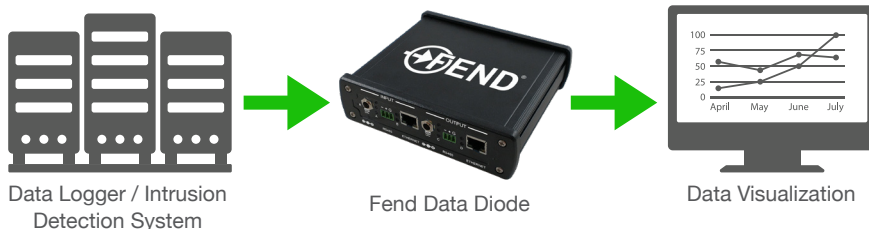
**Fend Data Diodes**

Fend's devices physically enforce one-way data transfers, blocking all attempts to penetrate your critical assets.

**Example 2: Transmit a stream of data points over a cellular connection to Fend cloud and connect via API with third-party service providers for remote equipment monitoring and predictive maintenance to ensure 100% uptime.**



**Example 3: Send log files or other data sets in a one-way fashion for use with digital twins or secure records storage.**



**OT Security and PUE: Energy Optimization in Data Centers**

With AI driving kW/rack figures to new heights, energy efficiency is becoming even more important in the quest to improve PUE. The operational assets - HVAC, chillers, air handlers, EPS, lighting systems - need to be run efficiently and resiliently to meet tight SLAs. Operational readiness data needs to be monitored remotely and analyzed without creating threat vectors.

Fend supports Modbus, BACnet, FTP, and other communication protocols.

