



Securing Smart  
Infrastructure

## Security and Resilience Built In

Fend's data diodes are built to keep attackers out where it matters most: the industrial control systems behind our modern way of life. Whether installed in a dusty mechanical room, on a hot rooftop, or at a remote outpost, Fend provides physical security and longevity.



### Full Optical Isolation

Physically enforced one-way data flow prevents any malicious code from reaching the protected equipment or network. Fend's diodes use full optical isolation that allows data out and nothing in.



### Separate Power Supplies

Full electrical isolation between input and output sides of the diode prevents side-channel attacks over power lines.



### Onboard Encryption

Fend isolates the protected system and encrypts the information in transit for end-to-end data protection.



### Designed for Industrial Environments

Wide temperature range, vibration resistant components, and other elements allow Fend's diodes to live alongside the equipment they protect.



### Battery Backup and Low Power Consumption

Provides insight during power outages or in environments with unstable electric power.



### Multiple Connection Options

Bring legacy or new equipment into the cloud or a remote SCADA system via hard-wired or wireless communication.



### Active and Passive Tamper Resistance

Protects against physical interference.



### Secure Mounting

Install your diode almost anywhere with flush mount and DIN rail options.



For More Information  
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