

Next-Generation Monitoring for Industrial Serial Communications, Analog Signals, and TCP/IP PCAPS for ICS/SCADA and IIoT Environments

OTNetGuard™ is Cynalytica's next-generation **passive** and **fail-safe** network tap that provides secure, out-of-band monitoring for Industrial Control Systems (ICS).

PRODUCT FEATURES

- ✧ All new **modular data capture platform** to support a wide range of OT network communications such as analog signals, serial communications, and TCP/IP network traffic.
- ✧ Compatibility with **Cynalytica's AnalytICS Engine** which offers encrypted communication backhaul, deep packet inspection (DPI), in-depth analytics, and alerting of captured signals with integrations from existing SIEM/SOAR solutions.
- ✧ Additional capture backhaul options: SFP and Wi-Fi or Cellular.
- ✧ Increased storage capacity and CPU speed allow for edge analytics to reduce bandwidth and local capture storage for offline monitoring.



OTNetGuard™ Components



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|--|------------------------------------|
| 1 SFP+ Input | 6 24V AC/DC Power Input |
| 2 Modular Data Capture Platform (RS-232 Shown) | 7 Power and Activity LEDs |
| 3 RJ-45 PoE+ Port | 8 SMA Connector for Wi-Fi/Cellular |
| 4 SIM Card and SD Card Slot | 9 DIN Rail Clip (back of unit) |
| 5 Ground Pin/Reset Button | |

OTNetGuard's™ **modular data capture platform** allows for the interchange of physical layer modules that give the device the flexibility to capture a wide range of communications.

Possible modules include the following:

- ❑ RS-232
- ❑ RS-485/422
- ❑ High Speed Profibus-DP
- ❑ 4-20mA/HART
- ❑ 0-10Vdc
- ❑ CANbus
- ❑ ControlNet
- ❑ MIL-STD 1553
- ❑ Foundation Fieldbus H1
- ❑ Standard Ethernet (100Mbps)
- ❑ Modified Ethernet (100Mbps)



Note: Protocol-specific DPI is performed by Cynalytica's AnalytICS Engine.

For more information on current protocol DPI support, please reach out to sales@cynalytica.com.

FEATURE	BENEFITS
Passive	System does not actively participate in the communication process or alter the content of the data being transmitted.
Fail-Safe	Designed to ensure that critical information is transmitted and received reliably and accurately, even in the event of a communication failure or interruption.
Cynalytica AnalytICS Engine Support	Encrypted communication backhaul, deep packet inspection (DPI), analytics, alerting and easy integrations with third-party SIEM and SOAR platforms.
Modular Data Capture Platform	Customer physical layer modules designed to support a wide range of OT network communications such as analog, discrete, and digital signals.
Wireless Backhaul	Optional module(s) for Wi-Fi and 5G Cellular connections that allow for deployment into remotely-connected environments.
SFP Support	Supports 1 Gbps Ethernet Copper or Fiber Channel.
Protocol Agnostic Support	Systems can communicate with different types of devices and systems, regardless of the communication protocol they use.
Full/Half-Duplex Monitoring	Supports simultaneously monitoring of both Tx/Rx channels.
Power Over Ethernet or 24VAC/DC	Simplified installation, flexibility in installation location, enhanced reliability, and lower cost.
LED Indicators	Facilitates quick diagnostics and communication activity for troubleshooting.
Web GUI	Quick setup and configuration without the need for command line access.
Secure Access	VPN, firewall, logging, and authorization.
DIN-Rail Mount Clip	Safe, reliable, and flexible mounting solution.
Manufactured in the USA	Designed, engineered, and manufactured in the USA.