GARLAND
T E C H N O L O G Y
See every bit, byte, and packet®

Using purpose-built technology for simple and affordable OT packet capture

▌Challenge

OT network owners in critical infrastructure sectors spend a great deal of time, budget, and resources selecting and installing cybersecurity and monitoring sensors at small or remote locations. Once a sensor is deployed, networking personnel often make requests of their solution vendors that go beyond the core functions of the sensor. One common example is hoping the sensor can do a packet capture since it's already connected to the SPAN port on a Switch. Although this request sounds logical (and convenient), most OT sensors are not designed to be a PCAP solution.

▌The TAP to Tool™ Solution

1. A portable SPAN Aggregator/Regenerator (part number P1GCSSP) with hardware data diode design can be installed between the SPAN port on a switch and the OT sensor.
2. The portable SPAN Aggregator/Regenerator can be configured manually with DIP switches on the back to regenerate or aggregate one, two, or three SPAN inputs to both the OT sensor and a packet analyzer like Wireshark.
3. Engineered as a hardware data diode, the portable SPAN Aggregator /Regenerator enforces unidirectional traffic to ensure the OT sensor cannot send traffic back into the network.
4. The OT sensor and Wireshark receive the exact same copy of traffic on the SPAN from the portable SPAN aggregator/Regenerator, guaranteeing no packet loss or degradation.

▌Benefits

• Optimized OT sensor performance

• Packet analyzer receives exact same copy as sensor

• Network personnel confident in cybersecurity and enjoy a complete packet capture file

• Zero risk of packet injection back in the network

• Prevent cyber threats from moving from the OT sensor to the Switch

• Cost effective, simply to deploy solution
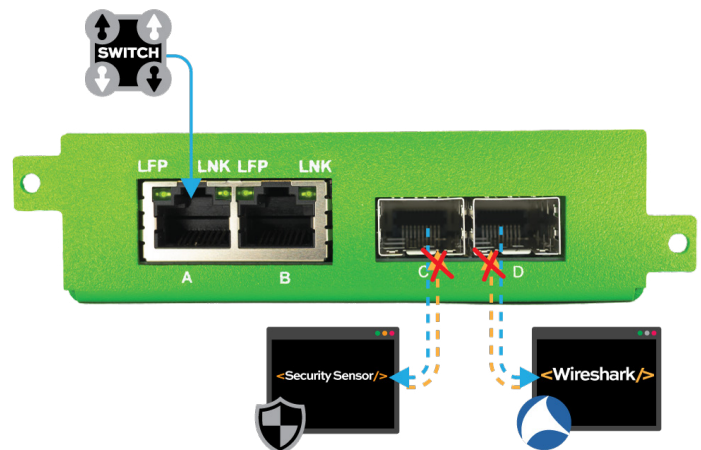
G ▌Have Questions?

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07.25.25