US Metro System Increases Wayside Network Visibility with Garland Technology

GARLAND
TECHNOLOGY
See every bit, byte, and packet®

▌Challenge

A regional metro transit provider was looking to deploy Cervello to provide comprehensive visibility and security against cyber attacks at each platform. The customer needed to utilize the existing network infrastructure in place and due to unmanaged, Layer 2 switches, they had no SPAN ports available to configure. To further complicate matters, the customer also needed a solution that could provide for media and speed conversion to the 1G Copper required by the Cervello Platform.

▌The TAP to Tool™ Solution

1. Garland Technology Aggregator TAP 100Base-LX is used at each train platform.
2. The Aggregator TAP copies the network traffic then aggregates 100% full-duplex copies out the Monitoring Ports.
3. The Cervello Platform and Wireshark each receive the aggregated copies allowing the tools to passively monitoring the network.
4. The TAP converts the 100Base-LX Single Mode Fiber network links to 1G copper so the Cervello Platform can accept the feed.

▌Benefits

- Converting 100BASE-LX to Copper Gigabit Ethernet.
- Simple configuration with DIP switches.
- Small footprint: 3.9" width and weighs 0.7 LBS.
- Invisible to hackers due to no IP or MAC address.

Have Questions?
sales@garlandtechnology.com | +1 716.242.8500 | GarlandTechnology.com

10.23.24