

INDUSTRIAL NETWORKING SWITCHES ON METROPOLITAN LIGHT RAIL SYSTEM



INDUSTRY:ITS

LOCATION:METROPOLITAN CITY (USA)

BACKGROUND

A metropolitan city transit authority was focused on maintaining and improving public safety and security measures. Their light rail system was upgraded to include an entirely new surveillance system integrated with other new hardware and software devices. One of the most critical components of a light rail system is the industrial networking infrastructure. This infrastructure connects components such as Power over Ethernet (PoE) surveillance cameras, DVR video systems, and automated ticketing kiosks. Antaira Technologies' LMP-1002G-SFP-T industrial Power over Ethernet (PoE) managed switches power the PoE Panasonic cameras on the light rail platforms monitoring nearby areas for passengers' safety.

THE CHALLENGE

Should the metropolitan city transit authority encounter a dangerous situation on a platform, live video surveillance feed being monitored in a control room is needed to allow for someone to dispatch for assistance at the platform. Additionally, the client needs Ethernet switches that are designed to endure shock and vibration and have an extended operating temperature.

THE SOLUTION

Antaira's LMP-1002G-SFP-T high-port count PoE+ managed Ethernet switch solution allows the city's light rail system to seamlessly monitor the surrounding areas at each station's platform. The LMP-1002G-SFP-T supports IEEE 802.3 at/af PoE for a maximum of 30 Watts per port with two Gigabit fiber connections which are ideal for powering up Panasonic PoE HD cameras. These switches also support the ring network redundancy function protocol that has a less than 50ms network recovery time. All the data from the Panasonic surveillance cameras is captured and transferred through Antaira's LMP-1002G-SFP-T switch in real-time and is then sent to a control room. Since Antaira's industrial switch is a fully managed Layer 2 device, remote monitoring can take place. The key benefit of Antaira's solution allowed the transit authority to flawlessly operate with new industrial networking technology to remotely monitor and control light rail platforms for the public's safety.

ANTAIRA'S PRODUCT SOLUTION

LMP-1002G-SFP-T

10-Port Industrial PoE+ Managed Gigabit Ethernet Switch

- 8*10/100/1000Tx (30W of PSE per port)
- 2*100/1000 SFP Slots
- Network Redundancy Support: RSTP/MSTP & G.8032 ERPS
- Configuration: Web console, Telnet, CLI command
- Power Input: 48 to 55VDC
- Temperature Range: -40°C to 75°C

