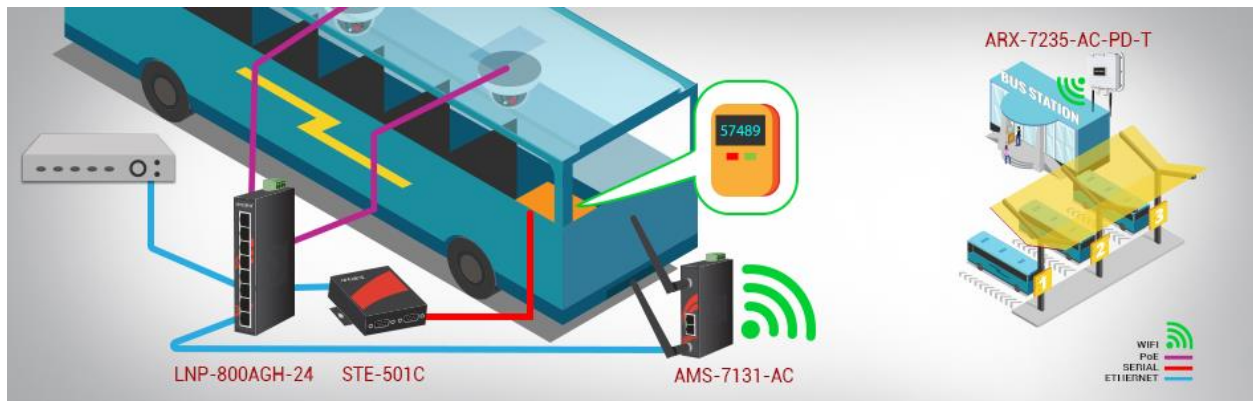


INDUSTRIAL ETHERNET HARDWARE ONBOARD METROPOLITAN BUS TRANSIT SYSTEM



INDUSTRY: ITS

LOCATION: METROPOLITAN CITY (USA)

BACKGROUND

A metropolitan city police division is always looking for ways to increase safety and security. Recently, their internal legacy analog-based system was upgraded to eliminate the manual need of uploading video data.

THE CHALLENGE

With this upgrade, HD Panasonic cameras were installed inside and outside each bus across the fleet for recording, file transferring, viewing, and management. The HD cameras integrated had to be compatible with ruggedized hardware and software components specifically designed for transit systems. It was also crucial the industrial Ethernet switches were able to provide power via Ethernet to the video surveillance cameras to capture footage inside and outside the buses.

THE SOLUTION

Antaira's LNP-800AGH-24-T PoE+ unmanaged industrial Ethernet switch allows the city's transportation district bus fleets to operate flawlessly. The LNP-800AGH-24-T supports Power over Ethernet (PoE), which is the solution that transmits electrical power along with data to the Panasonic surveillance cameras over standard twisted-pair cables in the bus fleet's Ethernet network.

Each Antaira switch has the ability to support a low power input range of 12 to 36VDC that can generate up to 30 Watts of Power Sourcing Equipment (PSE) power output per port. This internal switch booster is key for buses, as many only have a 12VDC battery available onboard the vehicle. With the LNP-800AGH-24-T there are eight ports available for delivering PSE that will provide power to the surveillance cameras and in-vehicle recorders both inside and outside the bus. Additionally, the industrial Ethernet switches are designed to endure shock and vibration and have an extended operating temperature.

The main benefit of Antaira's solution allowed the city's transportation district to upgrade their networking hardened technology while integrating with modern video surveillance and management systems.

ANTAIRA'S PRODUCT SOLUTION

LNP-800AGH-24-T

8-Port Industrial PoE+ Unmanaged Ethernet Switch

- 8*10/100/1000Tx (30W of PSE per port)
- 12 to 36VDC Power Input
- 9.6Kb Jumbo Frame Support
- Supports Auto-Negotiation & Auto-MDI/MDI-X
- Extended Operating Temp. (-40°C to 75°C)
- IP30 Rated & DIN-rail Mountable

