Case Study

Embedded Media Player

Background

Application: Smart Streetlight Pole
Industry: Public Utilities

Location: APAC

One of our customers has successfully integrated the EMP-510, an embedded media player, into the smart streetlight pole, as the main system to run edge computing, functions controlling, and media content displaying. This is part of a smart city application to truly bring the IoT to life.

Project Requirements

In order to continuously system operation outdoors, it is necessary to be able to withstand a wide temperature, long hours playing, and computing with high resolution to ensure passengers clearly see the latest road information, tour guides, and commercials. Plus, easy maintenance is critical to the application.

EMP-510



Advance Computing

Multiple Displays

High Resolution

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Solutions

Requirements	Solutions
# 1 Long-hour system operation	Fanless and noise-free design for 24/7 service
# 2 Exposed to hot and cold environments	Wide operating temperature (-20˚C to 50˚C)
# 3 Clarity for digital content display	Supports high-resolution video (8K/4K/FHD)
# 4 Easy to integrate and Maintain	Compact-sized and VESA mount for embedding

Application Diagram



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Benefits

As part of a smart city, streetlight has turned more intelligent than ever. Equipping ADLINK's embedded computer and media player as the main system with display, it can show the city tour guide and directions to the passengers and play attractive commercial Ads and vivid images to enhance not just the breakthrough tour experience but the overall profitability from hundreds and thousands walking in a central business district (CBD).

- Stable and ongoing system operation goes through the hot season or cold winter without defects
- Vivid image and clear visibility on the connected display
- Effortless system integration and future maintenance
- Embedded by small chassis and standard VESA mount

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