



Building up Intelligent Transport Systems for Bus Transit

IoT enabled intelligent bus transportation system with NavigateWorx Router

Thanks to Navigatworx for providing us with a good product. So that the bus scheduling has never experienced a delay, and it can also track the driving path of the bus very well. Passengers feedback the bus Wi-Fi is quite convenient for Internet access.



Mr. Jorge

Summary

With the development of society and the increase of urban population, public transport has become an indispensable means of transportation for people to go out. It also means that urban traffic will become more and more congested.

Smart bus can provide more information services for passengers, reform traditional debugging mode, realize bus information dispatching, improve bus operation dispatch management efficiency, reduce bus operation scheduling cost, and improve the level of urban public transportation informatization.



Customer Needs

The intelligent bus monitoring and dispatching system utilizes GPS technology to realize real-time monitoring, map display, dispatch control and two-way communication of dynamic positions of line-operated vehicles, motor vehicles and maintenance vehicles through a unified information platform, and fundamentally improve the dispatching command system. Real-time mastery and

adaptability to operational status.

A variety of vehicle terminal

Smart Bus has a complete and intelligent System that consists of Payment System, Monitoring System and Media Video System. Bus Management Operation Company need to get the real-time Status and push Media out for Commercial Purpose.



Moving toward continuous monitoring

Different kinds of the data should be uploaded stably to the monitoring center like video information management center, dispatching integrated management center, public transportation decision information center for processing, storing. Provide decision support for the management center.

Solutions

Using NR500 LTE VPN Router on intelligent bus system, provides Wi-Fi access, GPS location, Internet to camera etc. The wireless data transmission can make full use of the existing network, shorten the construction period, lower construction cost advantages, and equipment installation convenient and simple maintenance.



Benefits

Real Time Connectivity

Wireless data transmission equipment has the characteristics of real time online, no time delay, and the data of multiple monitoring points can be received and processed simultaneously without the need of wheel inspection. It can be very good to meet the requirements of real-time data acquisition and transmission system.



Low Construction Costs

Due to the use of public network platform, without the construction of the network, only need to install the equipment can be good, low cost of construction.

Real Time Positioning

The bus line in the intelligent public transport system adopts the GPS satellite positioning system technology, which can monitor the running status of the bus on the large screen of

the dispatch center, and the central dispatcher can monitor the specific running position, running track and travel speed of all controlled buses in real time. And directions and other valid information. Save on vehicle driving costs.

Add Value

Digital signage can be put into advertising to increase revenue.

Always online

NR500 LET VPN Router build in watch dog and keepalive policy run inside. Also with EN50155 certificate to ensure work well on vehicle. With NR500 LET VPN Router, smart bus don't worry to lose connection with management center.

About NavigateWorx

NavigateWorx Technologies provides Products, Services, Solutions and Support to the emerging Machine-to-Machine Industry. Our goal is to assist in your efforts to bring Industrial Projects to life, implement Wireline & Wireless Technology Solutions in your Business to simply keep your Devices, Employees and Business connected. That is NavigateWorx.

