



Wireless Device Servers for Vehicle Monitoring

Project

Implement a low cost monitoring system

IEEE802.11b/g WiFi technology offers a variety of wireless connection advantages, including a highly reliable global set of standards. Perhaps the most relevant benefit to businesses is how cost-effective WiFi is versus cellular or other technologies for network deployment and expansion.

Requirements

The company has big public and corporate customers that manage large vehicle fleets. They need an efficient and cost-effective monitoring and maintenance systems for the fleet vehicles. These customers also required a small, easy-to-mount device enabling them to monitor location, vehicle status and driving behavior for more efficient and cost-effective operations.

Extending the life of a fleet vehicle while reducing operating costs can translate into thousands of dollars saved per year by eliminating the monthly cellular phone bills.

The Challenge

The challenge was to develop a wireless vehicle status and driver performance monitoring system for large fleets of vehicles which eliminates monthly recurring fees, and lowers operating and maintenance costs.

Solution

Taking the complexity and cost out of wireless networking, SUNIX wireless products provide a feature-rich, secure, easy-to-integrate, low-cost WiFi solution. From the access point of company's mesh wireless network, all the monitoring information can be downloaded to application server for analysis and reporting.

Why SUNIX

- **Extended solutions for serial communication over wireless LAN.**
- **Highest level of integration availability with robust security (WPA, TKIP, 802.1X).**
- **Reliable and committed performance.**

The SUNIX device server provides the powerful ability to IP-enable serial devices allowing more options for data acquisition, device management, and industrial control. It includes a processor, operating system, TCP/IP stack, Web server and a network connection to provide a complete serial-to-Ethernet bridge. Using the embedded Internet protocols and a connection to an IP network, it encapsulates the serial data into packets and sends and receives it over an Internet or Intranet connection.

Comments

"The IDS wireless device server from SUNIX provided us quick and easy installation which we were looking for", says Jacques Charl, Business Application Manager.

Key Products

IDS-1011W