Mississippi Highway Patrol

Mississippi Highway Patrol Deploys In-Vehicle Communications Powered by Sierra Wireless® AirLink® Gateways

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A Sierra Wireless Mobile Workforce Solution

CUSTOMER CRITICAL CHALLENGE

- Advanced vehicle mobile data solution for law enforcement
- Reliable connectivity to allow officers to access and transmit critical data from the field and enable vehicle tracking for dispatch

SOLUTION

- AirLink® vehicle gateways provide two-way data communication for real-time field reporting and GPS functionality for vehicle location

BENEFITS

- Enhanced emergency response from GPS location tracking used by dispatch

- Seamless integration with third-party components and applications

The Mississippi Highway Safety Patrol is charged with the responsibility of enforcing traffic laws on state and federal highways. Mississippi’s state troopers must beprepared to assist local law enforcement agencies and respond to statewide emergencies at the request of the governor. The officers of the patrol exemplify theagency’s mottoe of Courtesy, Service and Safety.

Business Challenge

Mississippi Highway Safety Patrol needed a vehicle mobile data solution that would allow officers or central dispatch to:

- Verify driver license and vehicle tag confirmation;
- Transmit electronic ticket information in real time, and
- Track vehicle location to efficiently respond to officer distress or backup calls.

Public safety agencies need more robust solutions than a wireless data card provides, and demand reliable connectivity in a harsh environment. To develop its public safetysolution, the solution provider turned to a leading distributor of Sierra Wireless AirLink products. Drawing on its extensive experience, GetWireless provided an intelligent, rugged,mountable GPS-enabled wireless data networking device.

Sierra Wireless AirLink Solution

AirLink Gateways offer GPS and broadband data communications and are designed for vehicle use. Certified for the MIL-STD 810 series of standards, the AirLink gateways arerugged enough for the harsh field environment to which public safety vehicles and officers are regularly exposed. AirLink devices feature simple installations, session persistence andremote configuration with the AirLink Management Service (ALMS).

The Mississippi Highway Safety Patrol’s vehicle mobile data solution includes a laptop, mounted antennas, a mapping application which ties into their CAD (computer aideddispatch) system, and an AirLink gateway for persistent broadband connectivity. ALMS enables over-the-air device activations.

The solution was tested on a number of pilot vehicles and subsequently rolled out to the fleet of 450 Mississippi Highway Safety Patrol vehicles.

Results

“AirLink Gateways have made it possible for our Troopers to transmit and receive vital information from the roadside which increases their situational awareness andmakes them more efficient”, said Lt Col Mike Holmes, Director of Enforcement for the Mississippi Highway Safety Patrol. “In addition, response times are decreased while officer safety is increased through its vehicle tracking features.”