

## Managed Automotive Connectivity



### Client Requirement Summary

- Separate mounting bracket for easy mounting and removal from vehicles
- Low cost, quick installation
- Ignition sense PSU
- Resilient communications with dual SIM, dual radio and dual antenna
- Ruggedised to automotive requirements
- Walled garden WiFi zone
- Integration with location-based services
- Vehicle management services such as driver quality

### Key Benefits

- Special carrier and router case for easy installation and removal
- Dual SIM enables second wireless operator
- 3G/4G, extended temperature, vibration resistant
- PSU with ignition sense, designed to use automotive power
- WiFi walled garden
- Updates to GPS server
- Activator for automatic provisioning

### Requirement

A major European taxi firm wanted to enhance their customers' experience by providing a walled garden WiFi zone, GPS location services, vehicle management connectivity in their service vehicles, using a single device. They wanted to be able to capture the customer profile details and deliver advertising to their smart phones. As well as this, low cost, fast deployment and installation was required.

### Virtual Access Solution

The client chose the compact GW1000 3G/4G and WiFi wireless router, which provides in-vehicle WiFi to LTE. The router couples to a central server in the core of the network that gathers customer information and uploads it to a captive portal. This means that when the customer logs in to authenticate for the WiFi hotspot, profile specific advertising is shown on their smart phone.

Activator was used to automatically provision the routers and OSS integrator enabled seamless integration with automation systems.

The Virtual Access solution meets the requirements of the tough automotive environment. Furthermore, Virtual Access were able to quickly adapt their solution to meet some of the customer's special requirements.

