

The Wireless Gateway Terminal (WGT) is an electronic unit, part of Orpak Wireless Vehicle Identification Solution (wVIS) for vehicle identification based fueling solution for gas stations.

As part of the solution, one or several WGT units are installed in gas stations to form a wireless network communication data from the vehicle units to the station controller through short range RF communication (very low power) in the ISM 2.4 GHz band. The number of WGT units mainly depends on station size and number of dispensers covered. In each station one of the WGTs is set to be Master WGT and it will be connected to the forecourt controller (FCC) via LAN. The rest of the WGTs in the station will be “routers” with no LAN connection.

The WGT can be installed in several locations (Indoor/Outdoor) by using two different enclosures.

WGT's transmitters are not operated simultaneously.