

VEHICLE CONTROL AND TRACK SYSTEM

FUNCTIONALITY

- Provides real time wireless fleet control and tracking using cellular/Wi-Fi wireless networks
- Provides authorized access of vehicles based on an employee using a valid ID card to enable the ignition to start
- Track an employee's vehicle usage
- Monitor the position of a vehicle on a mapping application via an on board GPS receiver
- Remotely control vehicle ignition (for example, remotely disable vehicle's engine when it's determined to be in an excessive idle condition)
- Monitor vehicle diagnostics with an optional wireless Engine Vehicle Diagnostic Transmitter (E-VDT); OBD II/J1939 vehicle interface required

FEATURES

- Portable rugged, weatherproof enclosure
- Small footprint RFID proximity card reader for easy mounting
- RF/GPS antenna combo (various antenna options available)
- External wires for additional I/O hookup
- Non-volatile "Valid Card" list is stored by the system for authenticating access; can be remotely updated
- Accelerometer detects if the vehicle or asset is in motion (useful for cases where OBDII/J1939 data is not available)
- Real time GPS and I/O reports
- Compact size - card reader 3.7" x 1.72" x .66", VCAT system enclosure, 9.12"x 7.56" x 4.37"



HOW IT WORKS

- An employee displays their ID card to the proximity card reader.
- The ID card is validated by the system.
- A valid ID card enables the engine to be started.
- The Vehicle Control and Track System calculates its position based on GPS satellite.
- System data is communicated through cellular/Wi-Fi technology.
- Using a mapping application, vehicle information is monitored and the ignition state is remotely controlled.
- An optional E-VDT (Engine Vehicle Diagnostic Transmitter) provides access to operating parameters for OBDII/J1939 equipped vehicles.

