



## Product Data Sheet: VAC



Our Vehicle Asset Communicator (VAC) is an RFID-based wireless device with an advanced micro-processor that is highly configurable to achieve just about any vehicle management goal you can imagine.

## Vehicle Asset Communicator (VAC) Provides Wireless, Automated Control, Tracking & Monitoring of Vehicles

### GENERAL FEATURES

- Radio Frequency (RF) transceiver with up to 1-mile range
- Integrated micro-computer with highly configurable firmware to achieve a wide range of asset management goals
- Installs on virtually any industrial vehicle (forklifts, tow tractors, etc.)
- Rugged construction withstands harsh environmental conditions
- Access control options to match facility (prox card, iButton, keypad, etc.)
- Provides electronic safety checklists via built-in display & keypad
- Automatically records & uploads/downloads key vehicle/operator data
- Wide range of optional sensors (speed/distance, lift weight, impact, etc.)
- Performs functions at all times: constant RF connectivity NOT required

### GENERAL SPECIFICATIONS

*Dimensions:* 4.75" x 5.63" x 1.9" (121 x 143 x 48 mm)

*Weight:* 1.4 lbs (0.6 kg)

*Operating Temperature Range:* -40° to +85° C (No display below -32° C)

*Operating Humidity Range:* 95% RH, Non-condensing (MIL-STD-810F)

*Weather Resistance:* IP65, exceeds NEMA 3R (MIL-STD-810F)

*Vibration:* 12.6 G RMS random vibration (MIL-STD-810F)

*Shock:* 20 G and 40 G, 11 msec sawtooth pulse (MIL-STD-810F)

*Input Voltage:* 6V DC

*Back-up Battery Life:* 10 years typical

*Memory:* 2MB x 16 RAM, 2MB x 16 Flash

*Clock:* Real-time

*Display:* Scrolling back-lit 4-line x 20 character LCD; 3 LED indicators

*Keypad:* Waterproof 20-key

*Access Control Reader:* Embedded options (prox, iButton, Indala, etc.)

*Auxiliary Sensor Ports:* 13 analog/digital

### RF SPECIFICATIONS

*Antenna:* Internal/tamper-proof

*Operating Frequencies:* 868-870 or 902-928 MHz, channel selectable

*Transmission Rate:* 19, 39, 78 or 156 kbps, selectable

*Modulation:* Frequency Shift-Keying (FSK), narrow-band, DTS

*Bandwidth:* Adjustable from 50-600 kHz

*TX Power:* Adjustable from -40 to +18 dBm

*Regulatory Certification:* FCC Part 15, CE, CSA, UL, R&TTE, ROHS