

AI-500-060 Series VMU Vehicle Monitoring Controller

Overview

The AI-500-060 series of controllers provides a cost-effective way of integrating and monitoring vehicles. It is designed for extreme temperature applications, has low power requirements, and comes in a variety of configurations supporting all common communication methods.

All units come with multiple digital inputs and outputs as well as analog inputs. These inputs can be connected to snow plow blade sensors, auxiliary tank fuel levels, or any digital or analog input that requires monitoring. An RS485 and an RS-232 interface port is standard on the units, which connects to additional devices such as weather sensors, snow plow controllers, and any device with a serial port. An OBD-II interface is standard on these units for monitoring engine parameters.

The unit works in conjunction with the Glance Platform, providing optional connectivity to the cloud-based Glance solution. Simply connect the I/O to add monitoring and control to your equipment. Setup is very simple as the device receives all configuration information from the Glance Server and requires no local configuration.

Features

- ✓ Low cost Internet connectivity solution
- ✓ Small form factor
- ✓ Variety of connectivity options
- ✓ Compatible with Glance platform
- ✓ GPS and cell modem enabled for mobile position tracking
- ✓ Low power consumption
- ✓ Local data storage, supporting store and forward schemes when offline
- ✓ Real Time Clock supporting scheduling applications
- ✓ OBD-II Port for vehicle monitoring



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Hardware Specification

AI-500-060

Connectivity

A Cell Modem *	Yes
B Wi-Fi	Optional
C Ethernet Port (10/100Base-T)	Yes
D RS-232 Port	Yes
E RS-485 Port or RS-232 Port	Optional

Industrial I/O

F Analog Inputs	8
G Digital Inputs	8
H Digital Outputs	4
I OBD-II interface	Optional

Miscellaneous

Operating Systems	µC/OS-II
J GPS	Yes
Operating Temperature	-40°C to 80°C
Humidity	5-95% non-condensing
Dimensions	5.2" x 5.2" x 2.4"
K Input Voltage	10-30v AC or DC
Real Time Clock	Yes
Flash Disk	Yes
L Battery Backed Memory	Yes

Also suitable for...

Solar/battery powered	Yes
Vehicle monitoring	Yes
Scheduling	Yes

* Specify carrier at time of order

** Custom configurations available for volume orders

