

# AI-500 Series Field Device Controller

## Overview

The AI-500 series of controllers provides a cost-effective way of monitoring and controlling field devices. It is designed for extreme temperature applications and has low power requirements, making it suitable for solar powered applications. The unit comes in a variety of configurations supporting all common communication methods.

Several configurations are available with combinations of Ethernet, Wi-Fi, and Cellular Modem. All units come with multiple digital inputs and outputs as well as analog inputs. An RS-232 interface port is standard on the units, with additional RS-232/485 optional.

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. Also available are interfaces to field components via serial and Ethernet connectivity, using both standard and custom protocols.

## 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



Call us today to get started at [678.830.2170](tel:678.830.2170) or email us at [sales@appinfoinc.com!](mailto:sales@appinfoinc.com)

# Hardware Specification



	AI-501	AI-502	AI-503	AI-504
<b>Connectivity</b>				
<b>A</b> Cell Modem *	Yes			Yes
<b>B</b> Wi-Fi		Yes		Yes
<b>C</b> Ethernet Port (10/100Base-T)	Yes		Yes	
<b>D</b> RS-232 Port			2	
<b>E</b> RS-485 Port or RS-232 Port			1	
<b>Industrial I/O</b>				
<b>F</b> Analog Inputs			8	
<b>G</b> Digital Inputs			8	
<b>H</b> Digital Outputs			4	
<b>I</b> OBD-II interface			1	
<b>Miscellaneous</b>				
Operating Systems			µC/OS-II	
<b>J</b> GPS			Yes	
Operating Temperature			-40°C to 80°C	
Humidity			5-95% non-condensing	
Dimensions			4.0" x 5.2" x 1.0"	
<b>K</b> Input Voltage			10-30v AC or DC	
Real Time Clock			Yes	
Flash Disk			Yes	
<b>L</b> Battery Backed Memory			Yes	
<b>Applications</b>				
Solar/battery powered			Yes	
Vehicle monitoring			Yes	
Scheduling			Yes	

\* Specify carrier at time of order  
 \*\* Custom configurations available for volume orders

