AI-500-040 Series FCMU
Field Communications Monitoring Unit

Overview

The AI-500-040 series of controllers provides a cost-effective way of monitoring communications and field I/O. 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 enabled for self-locating and 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** or email us at **sales@appinfoinc.com!**

Hardware Specification

applied INFORMATION

		AI-500-040	AI-500-041
Connectivity			
A	Cell Modem *	Yes	No
B	Wi-Fi	Optional	Optional
C	Ethernet Port (10/100Base-T)	Yes	Yes
D	RS-232 Port	Yes	Yes
E	RS-485 Port or RS-232 Port	Optional	Optional
Industrial I/O			
F	Analog Inputs	8 (4 x 120V AC, 4 x 24V DC)	
G	Digital Inputs	8 (4 x 120V AC, 4 x 24V DC)	
H	Digital Outputs	4 (2 x NO/NC 2A Relay, 2 x Open Collector)	
I	OBD-II interface	Optional	
Miscellaneous			
	Operating Systems	µC/OS-II	
J	GPS	Yes	No
	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