

## AI-500-085-02 Series Glance Preempt & Priority

### Overview

The AI-500-085 Glance Preempt & Priority Video Capable FMU series of controllers provides a cost-effective, easy to integrate means of adding priority & preemption, video streaming as well as monitoring traffic intersections status and health. The unit has a built in high speed Cellular, GPS and 900MHz radio to make priority and preemption easy to configure and simple to set up. The 19-inch rack mounted device is capable of remotely switching NEMA 5-15 power outlets inside the ITS cabinets. It is designed for extreme temperature applications and has low power requirements, making it suitable for solar powered applications.

The unit comes standard with a built in 4 port Ethernet switch, Cellular Modem, GPS and 900MHz radio. All units come with multiple digital and analog IO as well as 8 relay contacts to trigger preemption commands to the traffic signal controllers. The unit is also capable of sending priority requests directly to the traffic controller using ethernet communications.

The unit works in conjunction with the Glance Platform, providing connectivity to the cloud-based Glance solution.



### Features

- ✓ Low cost Internet connectivity solution
- ✓ 19 inch rack mount 1 U high
- ✓ 4 Port Ethernet Switch
- ✓ Remotely switchable outlets
- ✓ On demand wireless video streaming
- ✓ GPS enabled for self-locating
- ✓ Passthrough Communications
- ✓ Redundant communications supporting both 900MHz radio and Cellular communication
- ✓ Simple to configure priority and preemption zone using map based configurator.
- ✓ Integrated battery back-up for power fail reporting

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 - 500-085

## Connectivity

|                    |                            |
|--------------------|----------------------------|
| Cell Modem         | Yes, 4G LTE                |
| Ethernet Ports     | 4 Ethernet Ports           |
| 900 MHz Radio      | Yes                        |
| GPS                | Yes                        |
| Connected Vehicles | Yes, Cellular & DSRC Ready |

## Industrial I/O

|                 |   |
|-----------------|---|
| Analog Inputs   | 8 (4 as 120VAC/12-28VDC selectable, 4 as 12-28VDC only) |
| Digital Inputs  | 8 (4 as 120VAC/12-28VDC selectable, 4 as 12-28VDC only) |
| Digital Outputs | 10 (2 as NO/NC Relay, 8 as 24VDC ground true)           |

## Power

|         |  |
|---------|--|
| Outlets | NEMA 5-15 (2x 120V, remotely switchable rated 15 amp total load) |
|---------|--|

## Miscellaneous

|                         |                            |
|-------------------------|----------------------------|
| Operating Systems       | µC/OS-II                   |
| Manual Preempt Selector | Yes                        |
| Operating Temperature   | -40°C to 80°C              |
| Humidity                | 5-95% non-condensing       |
| Dimensions              | 17.5" W x 1.75" H x 7.5" D |
| Mounting                | 19 inch rack mount 1U      |
| Input Voltage           | 120V AC                    |
| Real Time Clock         | Yes                        |
| Flash Disk              | Yes                        |
| Battery Backup          | Yes                        |

## Also suitable for...

|                         |     |
|-------------------------|-----|
| Intersection Monitoring | Yes |
| Scheduling              | Yes |

\*\* Custom configurations available  
for volume orders

