

AI-500-052 Remote Network Unit with Remote Outlet Controller

Overview

The AI-500-052 Remote Network Unit (RNU) offers a cost-effective, easy way to provide multiple means of communication to the in-field systems, offering remote control and monitoring of system status and health. The unit comes standard with five built-in Ethernet ports, a high speed 4G LTE cellular modem and GPS with multiple digital and analog IO. Communication with the built-in high-speed cellular modem provides exclusive access to the Glance platform, allowing for advanced remote monitoring and control capabilities, while VPN passthrough capability is provided via Ethernet communication.

With the addition of the 3rd party Remote Outlet Controller (ROC), up to five connected devices can be controlled remotely from the Glance platform. Each of the five outlets can remotely power cycle the individual devices connected to them, or power cycle the devices by an automated schedule.

The RNU connects to the ROC via secure VPN passthrough connections. This makes the solution perfectly suited to traffic cabinets with multiple devices such as cameras, radars, and networking units, and provides new capabilities for remote power cycling, monitoring, control, and more. The remote power cycling abilities remove the need for technicians to travel to the physical device, to perform a manual power cycle. Both units of the system meet NEMA TS2 standards, and have low power requirements, making the system suitable for all applications.

Features & Benefits

- ✓ Low-cost Internet connectivity solution
- ✓ Five Ethernet Ports
- ✓ Exclusive access to cloud-based monitoring platform
- ✓ On demand video streaming capabilities
- ✓ VPN passthrough via Ethernet connection
- ✓ Control equipment from anywhere
- ✓ Integral battery back-up for power failure reporting
- ✓ GPS enabled for self-locating
- ✓ Remotely control and power up to five devices



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Hardware Specification



AI-500-052 RNU

Remote Outlet Controller

Connectivity

Cell Modem*	Yes (4G CAT4)	No
RS-232 Port	No	Yes
Ethernet Ports	5	1
GPS	Yes	No
OTA Software Update	Yes	No
USB or RS-232 Serial Port	No	1

Industrial I/O

Analog Outputs	0	5
Analog Inputs	1	1
Internal Temperature Sensor	Yes	No
Digital Inputs	4	0

Miscellaneous

Video Streaming	On Demand	No
Schedule Control	Yes	Yes
Operating Temperature	-37°C to 74°C	-25°C to 50°C
Humidity	5-95% non-condensing	10-90% RH
Dimensions	5" x 3" x 2.5"	19" x 1.125" x 1.75"
Input Voltage	10-30V DC	120-230V AC
Real-Time Clock	Yes	Yes
Flash Disk	Yes	—
Non-Volatile Memory	Yes	No
High Speed Modem	Yes	No
VPN/Passthrough Communications	Yes	No

