



Connected Traffic Cabinet

AI-500-052 Series Remote Network Unit

Overview

The AI-500-052 Remote Network Unit offers a cost-effective, easy way to provide multiple means of communication to your system, offering remote control and monitoring of system status and health. The unit comes standard with five built-in Ethernet ports, high speed 4G LTE cellular modem and GPS with multiple digital and analog IO.

VPN pass-through is provided via Ethernet communication, while cellular communication provides exclusive access to our cloud-based platform, allowing for advanced remote monitoring and control capabilities, as well as on-demand video streaming. Designed to meet NEMA temperature application standards, and with low power requirements, the Applied Information 500-052 Remote Network Unit is suitable for all applications.

Benefits

- ✔ Low-cost Internet connectivity solution
- ✔ Five Ethernet ports
- ✔ Exclusive access to cloud-based monitoring platform
- ✔ On demand video steaming capabilities
- ✔ VPN passthrough via Ethernet connection
- ✔ Control your equipment from anywhere
- ✔ Internal temperature sensor
- ✔ Future-proof with "over-the-air" software updates
- ✔ GPS enabled for self-locating





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Hardware Specification

AI-500-052

Connectivity

Cell Modem*	Yes (4G CAT4)
Ethernet Ports	5
GPS	Yes
OTA Software Update	Yes

Industrial I/O

Analog Inputs (0-30V DC)	1
Analog Inputs (0-280V AC)	1
Internal Temperature Sensor	Yes
Digital Inputs	4

*Additional IO Provided via extender cards

Miscellaneous

Video Streaming	On Demand
Control Capability	PID Control, Logic Table, VFD Control
Operating Temperature	-37°C to 74°C
Humidity	5-95% non-condensing
Dimensions	8.5" x 5.5" x 3"
Input Voltage	10-30V DC
Real-Time Clock	Yes
High Speed Modem	Yes
VPN / Pass-Through Communications	Yes
Non-Volatile Memory	Yes

