

## Hardware & Software Solution Data Aggregator



The DA-300 provides unprecedented abilities to monitor your infrastructure. From the components within your cabinets, up to the performance of your road network as a whole, you have the data you need to optimize the performance of your infrastructure. This ground-breaking piece of hardware and its accompanying software is the result of years of collaboration between Acylica, Eberle Design Inc., and Reno A&E.

### HEALTH

Get email alerts when failures occur in your traffic cabinets and view historical data to pinpoint failures.

### PERFORMANCE

Innovative new analytics combine traffic counts and travel times to provide insight into the performance of your infrastructure.

### FLEXIBLE CONNECTIVITY OPTIONS

20 digital inputs, plus 16 analog inputs allow the ability to monitor a variety of cabinet hardware.

## SPECIFICATION

SYSTEM OVERVIEW	
Operating System	Linux - Ubuntu 12.04.2 LTS kernel ver. 3.15.3
COMMUNICATIONS	
Analog Input	16 (8 x 20 VAC; 8 x 24 VDC)
Antenna	Yes - 5 band (Cellular, GPS, Wi-Fi, BT and DSRC)
Bluetooth	No (available as an option)
Cell Modem	Yes - 3G/LTE/GSM/CPRS (Standard); 4G (Optional)
Digital Inputs	20 (16 x 16 DC; 4 x 24 VDC; 16 detectors; 4 peds)
Digital Outputs	3 (either Normally Open and Normally Closed 5A relay)
EIA-232	Yes
Ethernet	Standard - 2 ports (10/100 Base-T)
Flash Disk	Yes
iCITE	Yes - used to connect to iCITE G2
Ports	Standard (RS-485 inputs from Communicating Detectors)
RS-485	Yes - standard up to 32 channels of input
SDLC	Yes - standard (TS2 or TS2 Type 2 cabinets only)
USB	Standard - 2 ports
Wi-Fi	Yes - travel time (receive only - cannot be used as a WLAN)
ELECTRICAL	
Battery	Non-spillable sealed lead-acid 6 VDC 4.5Ah
Battery Back up	Yes - allows communications and remote logging up to ~5 hours
Power Input	8 - 28 VDC (2A 250V 5mm x 20mm fast-blo fuse)
Real Time Clock	Yes
Solar Power Capable	Yes
ENVIRONMENTAL	
Humidity	0 - 95% non-condensing
Operating Temperature	-40° to 176° F / -40° to 80° C / Standard industrial temp. range
IMAGING & OPTICAL	
Time Synchronization	Normally Open and Normally Closed with user selectable time.
MECHANICAL	
Dimensions	5.487" D x 8.18" H x 3.5" W (13.936 cm x 20.772 cm x 8.89 cm)
	GPS [compass] Yes - geolocation with Time Sync
	Weight 3.6 lbs / 1.62 kg



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