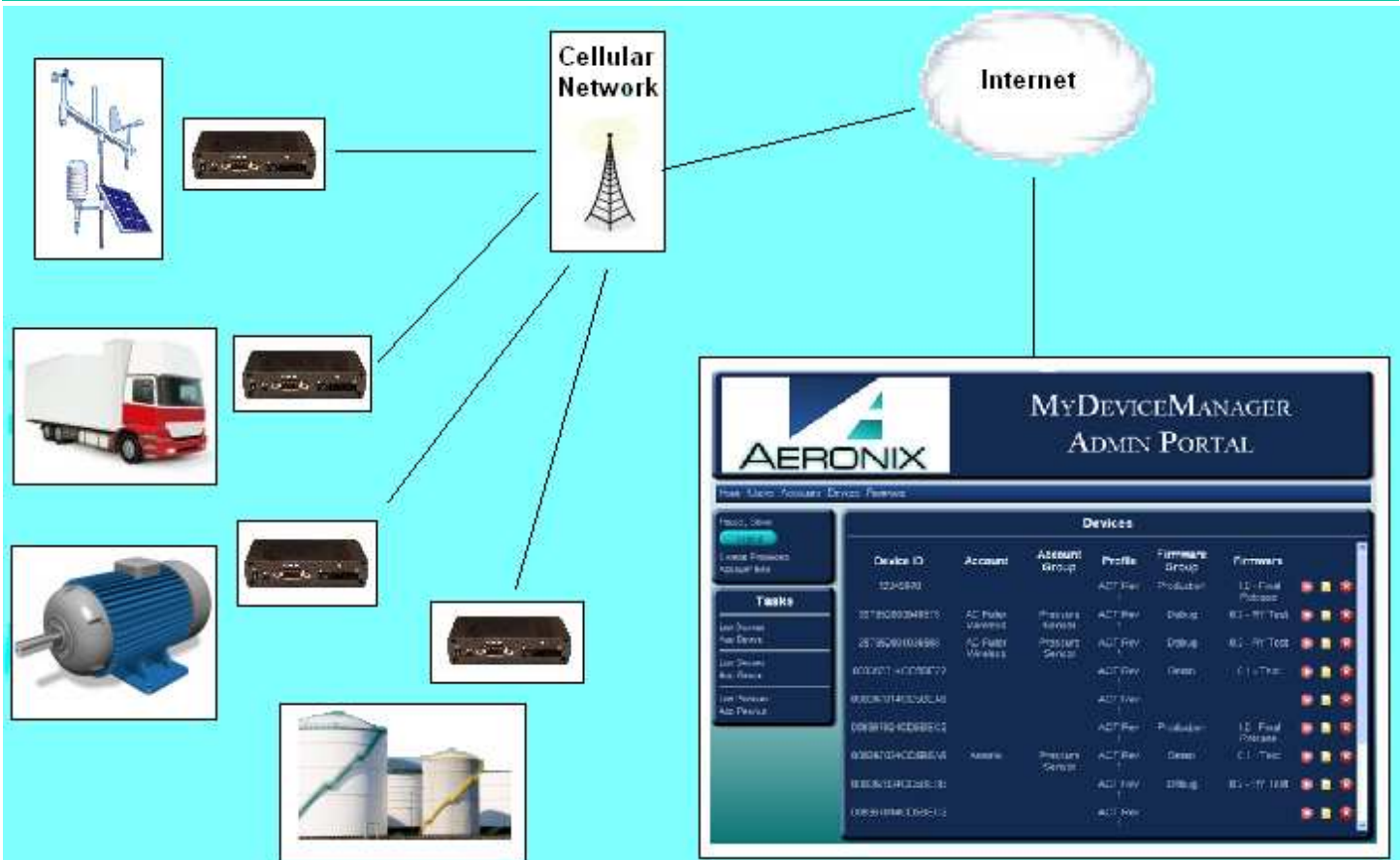


Aeronix ACT

Cellular sensor management solutions

ACT is a general purpose, wireless connectivity platform which connects sensors to a web-based management system.



BYOS: Bring your own sensors

Simultaneously support up to (4) sensors

Flexible sensor I/O options including current loop, serial, 1-wire, and GPIO.

And use the integrated sensors...

GPS location, temperature, and shock/tilt/vibration detection

Simple Deployment

Turn it on, and it is on the cell network.

Installation can be performed by maintenance technicians

No IT integration hassles with existing networks

Web Services Dashboard

Web-based management interface requires no programming only configuration.

Set thresholds, check-in times, and alerts

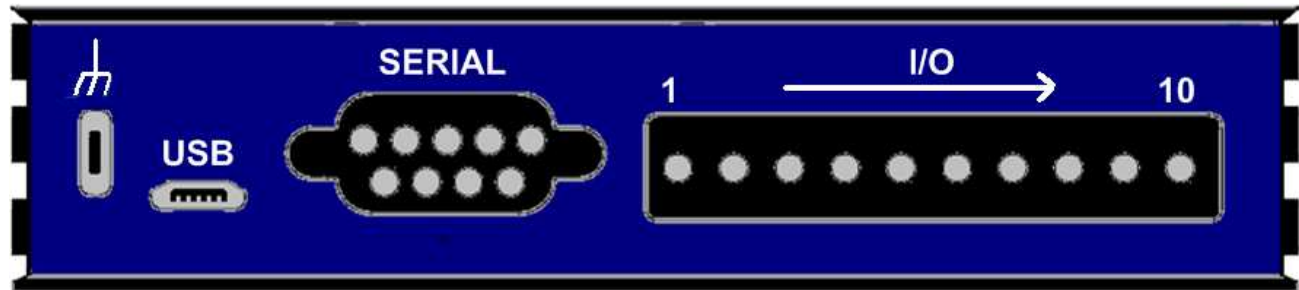
Notification via SMS texts, emails, pager

RESTful API for enterprise integration



1775 West Hibiscus Boulevard ■ Suite 200 ■ Melbourne Florida 32901 ■ Tel.(321) 984-1671 ■ Fax.(321) 984-0366
535 North Pleasantburg Drive ■ Suite 114 ■ Greenville South Carolina 29607 ■ Tel.(864) 250-1950 ■ Fax.(864) 250-1950

www.aeronix.com



GSM Cellular Radio

Data Service	Frequencies	Data Rates
UMTS / HSPA	850/1900 MHz	HSUPA (5.76Mbps)
GPRS / EDGE	850/900/1800/1900 MHz	171 / 384 kbps

Configurable I/O

Pin	Description	Rating	Configurations
1	Output Power	30mA @ 5 VDC	
2	Signal GND		
3,4	Analog I/O	0-5 VDC 5 VDC 4-20mA 3.0 VDC	(2) Single-ended A/D (1) Differential A/D (1) Current Loop (2) GPIO
5	Signal GND		
6,7	Analog I/O	0-5 VDC 5 VDC 4-20mA 3.0 VDC	(2) Single-ended A/D (1) Differential A/D (1) Current Loop (2) GPIO
8	Analog OUT	0-3 VDC	DAC or GPIO
9	Signal GND		
10	1-wire (Maxim)	5 VDC	

Serial I/O

Feature	RS-232	RS-422	RS-485
SW Selectable	Yes	Yes	Yes
2 wire	—	Yes	Yes
4-wire	—	Yes	--
Max Data Rate	921kbps	921kbps	921kbps
RTS/CTS	Yes	—	—

GPS Receiver

Band	L1 C/A Code
A-GPS	Yes
Anti-jamming	Yes
Active Antenna	Yes
Receive Sensitivity	
• Tracking	-159 dBm
• Cold start	-146 dBm / 27 sec
• Accuracy	2.5m CEP @ -130dBm

RF Radio

Frequencies	868, 902-928MHz
Power Output	20 dBm / 100 mW

Integrated Sensors

Accelerometer	(+/-) 2g, 3-axis
Internal Temperature	-40° to 85° C

Power Supply

Input Power Supply	5 VDC / 1A (5W)
Rechargeable Battery	1600 mAh

Environmental

Operating Temp	-20° to 70° C
Storage Temp	-40° to 85° C
Operating Humidity	10-90%, non-condensing
Enclosure Material	Extruded Aluminum
Weight	5.4 oz / 154 g
Dimensions	4.31 x 2.25 x 1.188 in. (11.0 x 5.7 x 3.0 cm)

Certifications and Approvals: PENDING