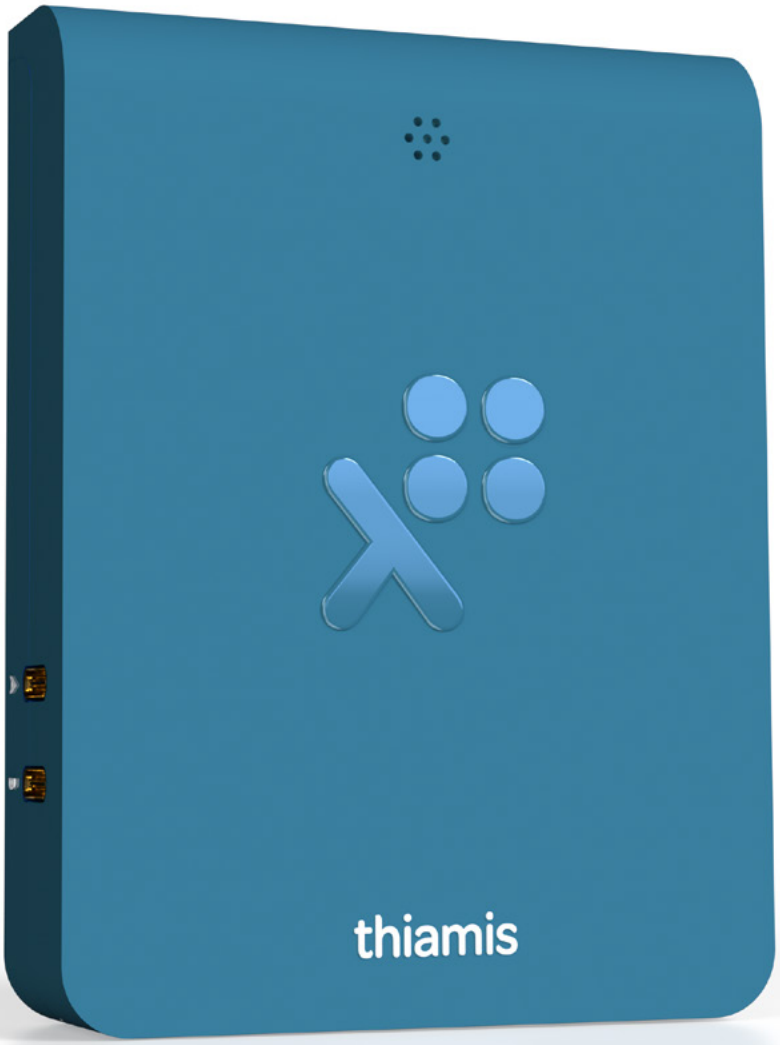
thiamis

by airthinx



Thiamis

The Thiamis has been known by industry professionals for more than a decade, as it has been the only device that enables plug-and-play integration with 3rd party sensors/systems. It enables any industrial sensor/system to become part of our Airthinx IoT platform. Thiamis offers capabilities including: system control, data logging, digital processing, global positioning, and telemetry. All of this is packed into one compact and purpose-built device, making it the most advanced and cost-effective solution in the IoT market.



Hardware Connectivity

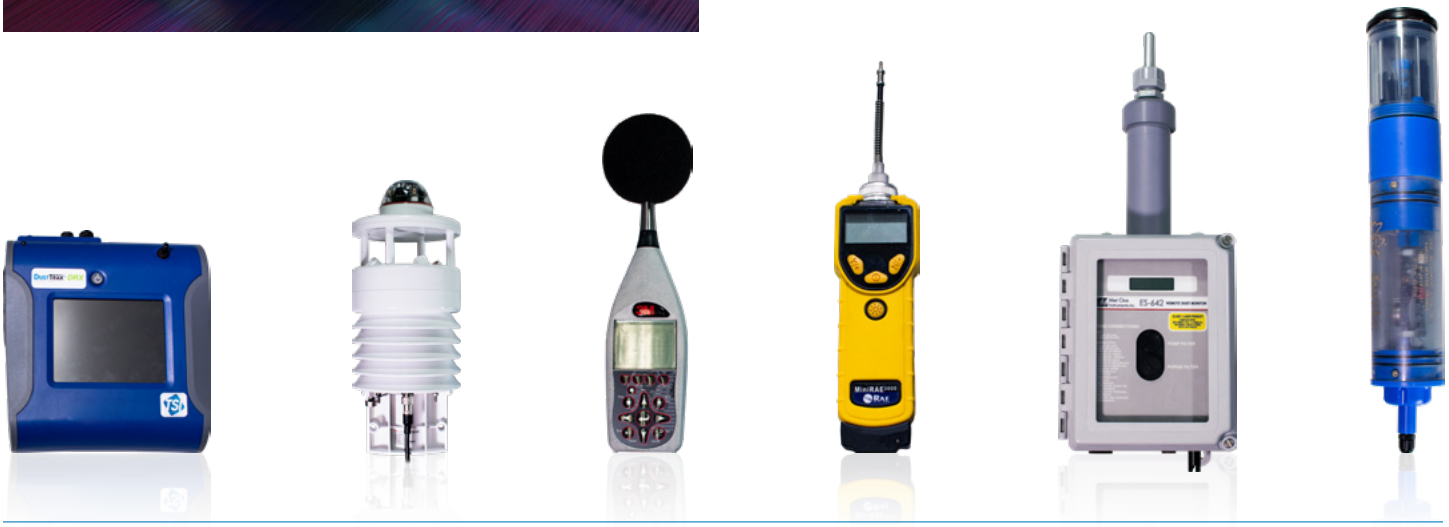
The Thiamis includes multiple ports: RS-485, RS-232 (3-multiplexed), SDI-12, 2 USB-C ports, and expansion ports for Analog and Digital I/Os, allowing users to connect virtually any 3rd party sensor/system. By connecting a 3rd party device, it eliminates the need to manually retrieve monitoring data, as all data will be sent wirelessly over a secure cellular or wifi connection to the Airthinx Cloud.



Device Compatibility

Thiamis has been used alongside many industrial sensors, offering professionals seamless access to their data. A few examples are:

- TSI DustTrak
- MiniRae 3000
- Alphasense
- Davis Vantage Pro
- Lufft WS500
- Eureka Manta 2
- QuestTemp
- And More!



Product Specifications

Communications		**Cellular**	4G LTE / 3G / 2G
		WiFi	802.11 b/g/n
		Bluetooth	Bluetooth 4.0
		Mesh	Zigbee
		GPS	A-GPS, Sensitivity > -165dBm, 3m Accuracy
		Antenna	Built-in (2G/ 3G / 4G, GPS, Zigbee, Bluetooth) External MCX Female (Cellular and GPS) *[Optional]*
		SIM Card	Built-in
Data Logging		**Digital Ports**	RS-485, RS-232 (3-multiplexed), SDI-12, 2xUSB-C
		Delta Port	Expansion port for Analog and Digital I/Os
		Wireless Ports	Mesh, Bluetooth and WiFi
		Clock	Real-time
		Protocols	ASCII, ModBUS, SDI-12. UMB and more
		Memory	Built-in
Sensors (built-in)	**Temperature**	**Range**	0° - 45° C
		Resolution	0.1 °C
		Maximum Error	± 0.5° C from 15° - 30° C
	Humidity	**Range**	15 - 75% RH
		Resolution	0.1 %RH
		Maximum Error	± 2 %RH
	Barometer	**Range**	300-1100 hPa
		Resolution	± 0.12 Pa
		Maximum Error	± 1.3 Pa
General		**Input Voltage**	12 VDC, USB-C
		Power	4.6 Watt
		Operating Temperature	-30 °C to 75 °C (-22 F to 167 F)
		Certifications	CE, FCC, PTCRB