thiamis 1000

8-in-1 IoT Device

Communications

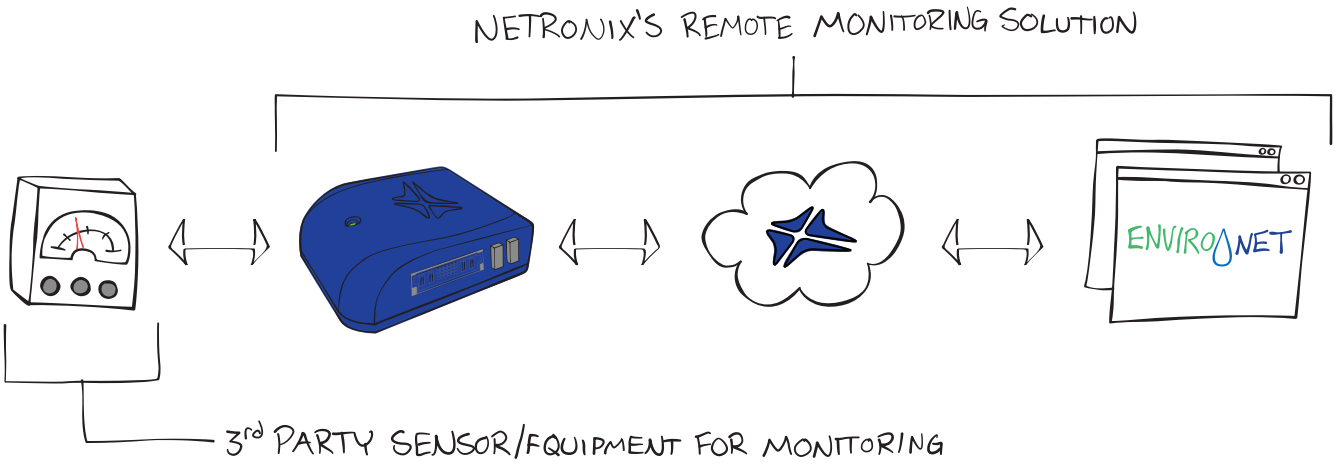
Data Logging

Plug-and-Play

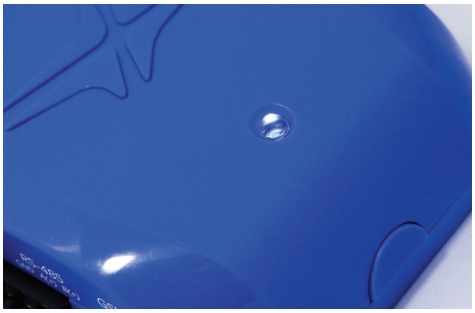
Simplicity drives our ideology which lies in our ability to develop sophisticated, yet intuitive solutions to tackle difficult technological problems... in other words, our ability to democratize technology.

"The core of our inspiration is **simplicity**" - Dr. Vasileios Nasis/CEO

The thiamis 1000™ is a vital component of Netronix's IoT (Internet-of-Things) platform. It combines control, data logging, digital processing, global positioning and telemetry into one compact and purpose-built device, making it the most advanced and cost effective solution in the IoT market. The thiamis links the devices/sensors on the field with Netronix's cloud network in a Plug-and-Play fashion, while it ensures data integrity, processing and security on both ends.



Product Specifications



Communications	**Cellular**	GSM/GPRS/EDGE 850, 900, 1800, 1900 MHz
		UMTS/HSPA 800/850, 900, AWS 1700, 1900, 2100 MHz
		Bands B6, B19, and B5
	WiFi	802.11 b/g
	Bluetooth	Bluetooth 4.0
	Mesh	Zigbee
	GPS	Sensitivity > -165dBm, 3m Accuracy, A-GPS
	Antenna	Built-in (GPRS, 3G, GPS, Zigbee, Bluetooth)
		External MCX Female (GPRS/3G and GPS) *[Optional]*
	SIM Card	Built-in
Data Logging	**Digital Ports**	RS-485, RS-232 (3-multiplexed), SDI-12, 2xUSB
	Delta Port	Expansion port for Analog and Digital I/Os
	Wireless Ports	Zigbee, Bluetooth and WiFi
	Clock	Real-time
	Protocols	ASCII, ModBUS, SDI-12. UMB and more
	Memory	8GB SD card (built-in)
Sensors (built-in)	**Barometer**	50 kPa to 115 kPa
	Accelerometer	16g (13-bit resolution)
	Temperature Sensor	-20 °C to 85 °C (10-bit resolution)
General	**Input Voltage**	12 VDC
	Power	0.6 Watt
	Operating Temperature	-30 °C to 75 °C (-22 F to 167 F)
	Dimensions (LxWxD)	4.1in (105mm) x 1.4in (35mm) x 3.2in (82mm)
	Weight	0.4 Lbs (0.18 kg)
	Certifications	CE, FCC, PTCRB

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netronix™

Warning Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.