

# thiamis 1000

8-in-1 IoT Device

Communications

Data Logging

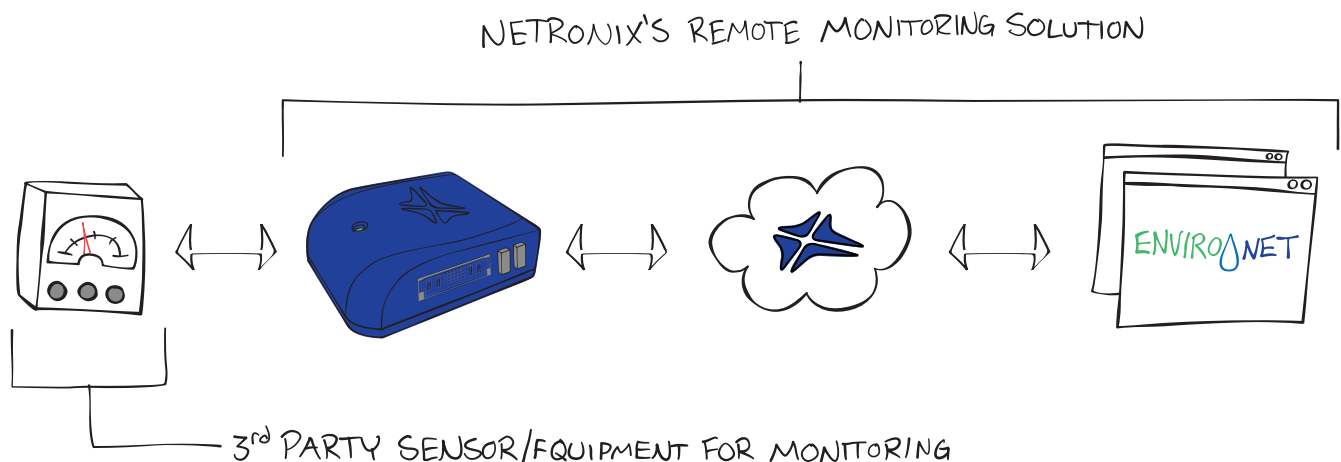
Plug-and-Play



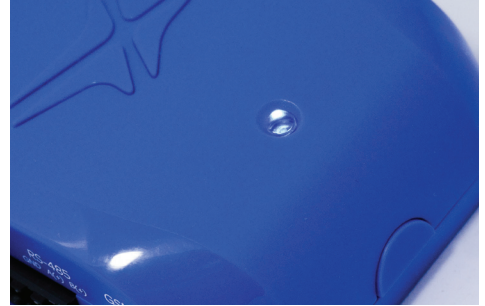
Simplicity drives our ideology which lies in our ability to develop sophisticated, yet intuitive solutions to tackle difficult technological problems... in other words, our ability to democratize technology.

“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



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