



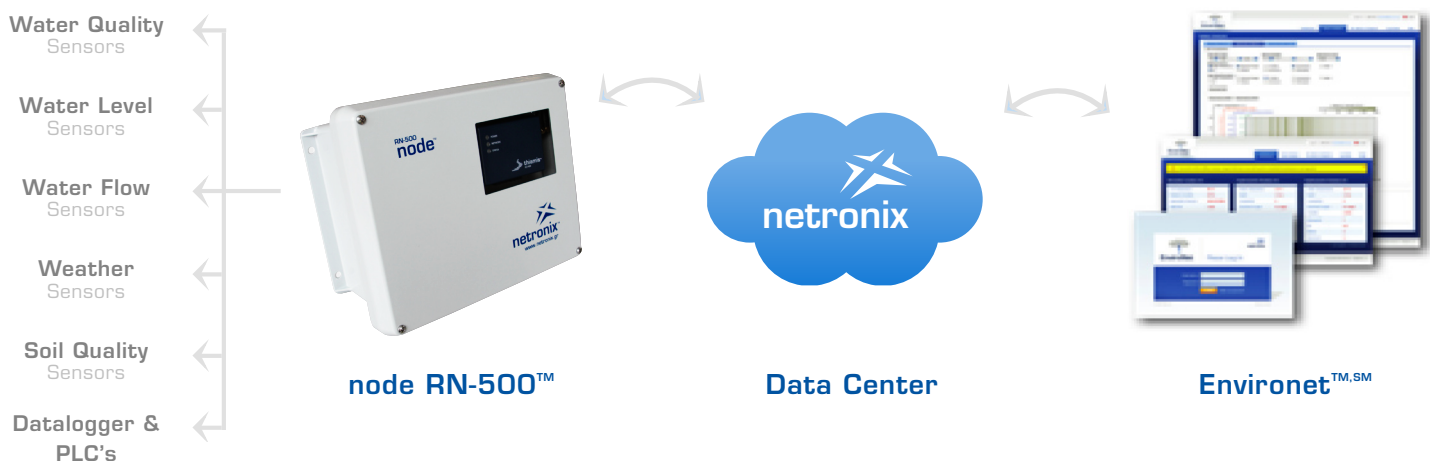
node™

RN-500

- Weatherproof housing for Thiamis ICUs
- GSM and GPS Antennas built-in
- 18Ah Battery and Charger
- Powered With DC or AC
- NEMA 4, UL Certified

The Node is a remote monitoring system designed specifically for unattended, long-term operation in harsh environments. As a complete, self-contained monitoring system, Node works out-of-the-box, literally with the turn of a key.

Within its rugged NEMA 4 and UL-certified enclosure, the Node RN-500 contains Netronix's Thiamis ICU which allows for remote monitoring and control of any devices connected to it. The Node's twist-on circular connectors and convenient cord grips allow for fast and secure connections between the Thiamis and external devices. In addition, the Node features a robust power system, supporting both AC and DC power sources. The external power source charges an internal long-life battery, capable of powering not only the Thiamis ICU, but also the additional devices or sensors connected to it.





■ thiamis™ specific

product specifications

communications		gps	
Quad-band EGSM	850/900/1800/1900 MHz	Sensitivity	-159 dBm (indoor operation)
Output Power	Class 4 (2W) @ 850/900 MHz	Accuracy	<2.5 m (8 ft)
	Class 1 (1W) @ 1800/1900 MHz	Channel	20
Sensitivity	-107 dBm (typ.) @ 850/900 MHz	SBAS Support	WAAS and EGNOS
	-106 dBm (typ.) @ 1800/1900 MHz	Correlators	> 200,000
GPRS	Class 10	Antenna	SMB jack connector
Antenna	SMA male connector	controller / data logger	
general		Clock	Real-time
Temperature Range	-40 to 80 (-22 F to 167 F)	Memory	4MB (up to 16MB)
Humidity Range	0-85% non-condensing	Digital Ports	RS-485, RS-232 (3 Multiplexed), SDI-12
Power Switch	2-Positions Key Lock	DeltaPort	Expansion port for Analog and Digital I/O modules
Connectors	1-Power, 3-Devices/Sensors	antennas	
Connector Type	Circular or Cord-Grip	GSM / GPRS	Quadband - Gain 2.1dBi (built-in)
Mounting	Wall-mount (Pole mount kit available)	GPS	Active - Gain 27 dBi (built-in)
L x W x H	11.45"(290mm) x9.31"(236mm) x 5.43" (138mm)	power system	
Weight	20lbs (9Kg)	Input	120-240VAC, 12-24VDC
Certifications	NEMA4, UL, FCC	Battery	18Ah (Additional External Battery Available)
		Charge Controller	12V, 6A



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