

# WebNext

## Industrial wireless GPRS

SensiNext's WebNext - an M2M (Machine-to-Machine) system, an integrated software and hardware intelligent platform is an ideal solution for Utilities, Homeland security, Enterprises with distribution sites in wide areas. It is Sub Critical Infrastructures, Manufacturing plants, and other users and more.

- Point-to-Multipoint system
- Cost-Effective solution
- Reliable secure and robust radio link
- WebNext is located on the "cloud".
- Easy Software to configure



The system includes Remote Control and Monitoring Software, located on "cloud", as well as sensors with Analogue Inputs (4-20mA) and Digital Inputs / Output. This is a Point-to-Multipoint system using standardized GPRS modem, Wireless Digital Data Transmission and Internet technology. The system can manage multiple remote sensors in several locations, enabling them to interact with IT systems of organizations without human intervention.



CLOUD

GPRS



Example: Sensor for Diesel Tank



Monitoring of Temperature in Generators



Monitoring Pressure of Pump outdoor



Fuel Monitoring Solution for Leaking Detection



Non-Contact Measuring in Plastic Industries

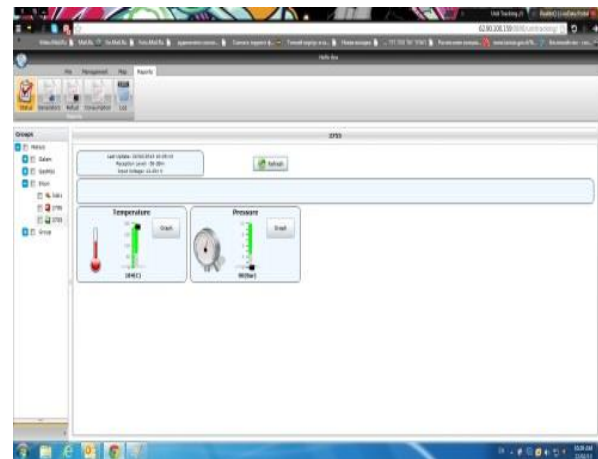


# Webnext

## Industrial wireless GPRS

SensiNext's WebNext - an M2M (Machine-to-Machine) system, is integrated software and hardware intelligent platform is an ideal solution for Utilities, Homeland security, Enterprises with distributed sites in wide areas, or owning Sub Critical Infrastructures, Manufacturing plants, and other various users

- Point-to-Multipoint system
- Cost-Effective solution
- Reliable secure and robust radio link
- WebNext software is located on the "Cloud"
- A full-featured graphic SCADA



The system includes a remote control and monitoring software that is located on the "cloud", the Sensors - digital with On/Off outputs and 4~20mA transmitters and a GPRS based Wireless concentrator device that supports of 4~20mA (analog input) and 4 digital (On/Off) input.

This is a Point-to-Multipoint system that uses standardized building blocks, Wireless Digital Data Transmission and Internet technology to manage multiple remote sensors in several remote locations enabling them to interact with IT systems of organizations or companies without human intervention.

### GPIO interface connector 24 pin

Pin	1-4, 15-18	5-8	9-10	11	12	13-14	19-20	21-22	23	24
Signal name	Digital input	OC	ADC	VMOD	DGND	Relay	ADC	12C	PLG GND	Vin
I/O	I	O	I	O	PWR	O	I		PWR	PWR
Description	0-50V digital input	Open collector 500mA output	0-50V 12bit analog input	VMOD voltage output	Digital ground	Relay output	4-20mA 12bit analog input	12C bus clock/data	Plug ground	Input voltage



Example: Sensor for Diesel Tank



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### General Description:

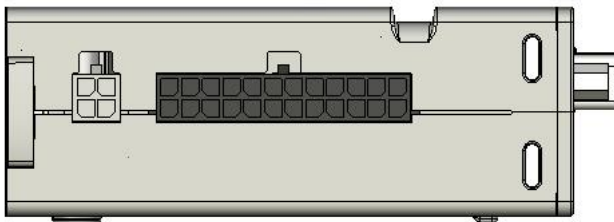
The EZ8 enables to connect various types of sensors that are located in remote sites (each EZ8 has to be installed in the specific remote site at a distance of 10's meters from the sensors), to the SCADA software (located in the "cloud") via the Cellular GPRS network.

### SIM Interface

The SIM interface is intended for 3V SIM cards. The card holder is a five wire interface according to GSM 11.11. A sixth pin has been added to detect whether or not the SIM card drawer is inserted. Removing and inserting the SIM card during operation may require the software to be reinitialized. Therefore, after reinserting the SIM card the modem will detect it automatically, but it may be necessary to restart EZ8 Terminal.

### Molex 24 pin connector – I/O interface

The following interfaces and functions are provided via the IO interface connector.



## For Remote Wireless Sensors Monitoring



### Specifications:

Input Voltage	110 - 220VAC
Input Current	0.35A Max.
Analogue Inputs	2 x 4~20mA , 2 x 0-10V
Digital Inputs	4 x Digital On/Off
Frequency Bands	Quad-band EGSM 850 / 900 / 1800 / 1900 MHz
Antenna	GSM external antenna with SMA connector
SIM Interface	3V SIM cards according GSM 11.11

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