



ZigBee Sensor ZS-10 - Multi-channel ZigBee Sensor with Battery Power Supply

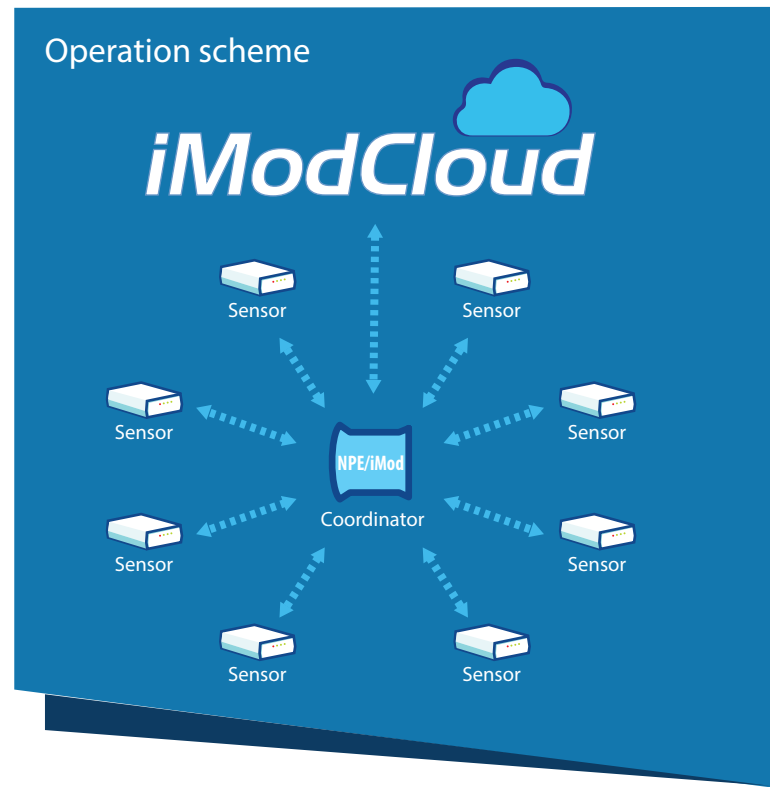
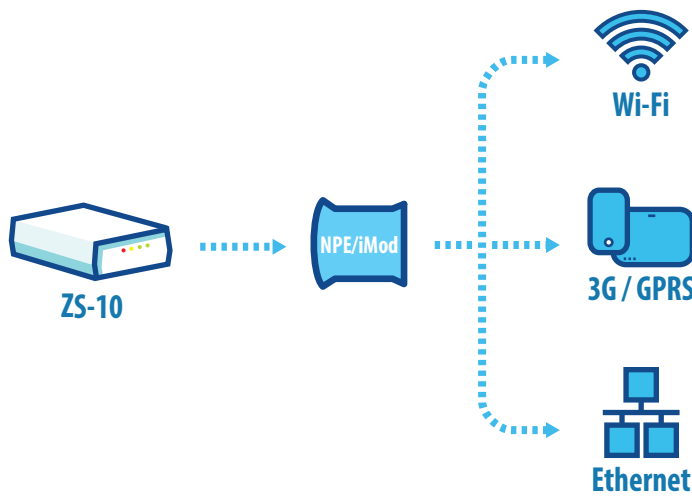
- built-in temperature sensor
- 1 analog input
- 2 digital inputs
- 1 meter input
- battery power supply
- iMod/NPE dedicated device



ZigBee Sensor ZS-10

Wireless **ZS-10** module is designed for remote reading of temperature, humidity values and to control digital and analog input status. **ZS-10** works with NPE 9XXX, NPE X1000 industrial PCs, iMod and iModCloud The sensor uses wireless ZigBee technology with mesh network topology.

Data Distribution Channels



Hardware options

HARDWARE RESOURCES	ZS-10	ZS-20	ZM-10	ZM-20
Meter inputs	1	1	1	1
Analog inputs	1	3	3	3
Digital inputs	2	6	2	6
Digital outputs	-	1	1	4
Relay outputs	-	-	2	2
Built-in temperature sensor	1	1	1	1
Power supply	battery	battery	external DC	external DC

Technical Parameters

HARDWARE RESOURCES

Digital inputs	2x DI (0 - 3 V)
Analog inputs	1x AI 0-20 mA (0 - 3 V) (12 bit resolution)
Meter inputs	1x DI (0 - 3 V), max. frequency: 800 kHz

BUILT-IN TEMPERATURE SENSOR

Temperature measurement range	from - 40° C to +150° C
Temperature measurement accuracy	± 0.5° C

TRANSMISSION PARAMETERS

Operating frequency	2,4 GHz
Wireless protocol	compatible with IEEE 802.15.4, ZigBee 2007/PRO
Wireless transmission speed	250 kbit/s
Transmission range	up to 300m (open area)
Maximum sensitivity	up to 99dBm

POWER SUPPLY

Battery power supply	2x AA battery
Power consumption in sleep mode	5 uA
Power consumption in transmit mode	27 mA
Battery life	2,5 years*

CASING**

Dimensions	64 x 83 x 28mm (width x length x height)
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* reading every ten minutes

** DIN rail mounting option

Operating conditions

- Operating temperature: -40 to +85°C
- Storage temperature: -40 to +85°C
- Humidity: 5-95% RH (no condensation)

Accessories

It is possible to connect:

- external temperature sensor
- humidity sensor

Pinout

