



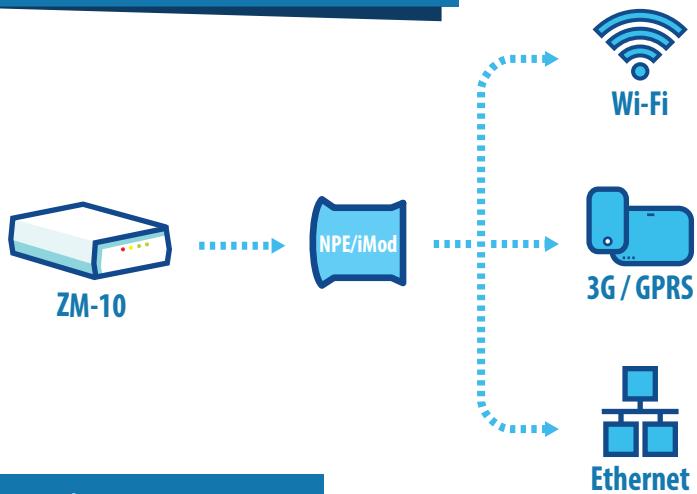
ZigBee Module ZM-10 - ZigBee Relay I/O Module

- 2 relay outputs
- 1 digital output
- 3 analog inputs
- 2 digital inputs
- 1 meter input
- built-in temperature sensor
- iMod/NPE dedicated device
- DC power supply



Wireless **ZM-10** module is designed for remote control of relays, digital and analog inputs as well as for remote reading of temperature and humidity. **ZM-10** works with NPE 9XXX, NPE X1000 industrial PCs, iMod and iModCloud. The module 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

ZigBee Relay I/O Module

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Technical Parameters

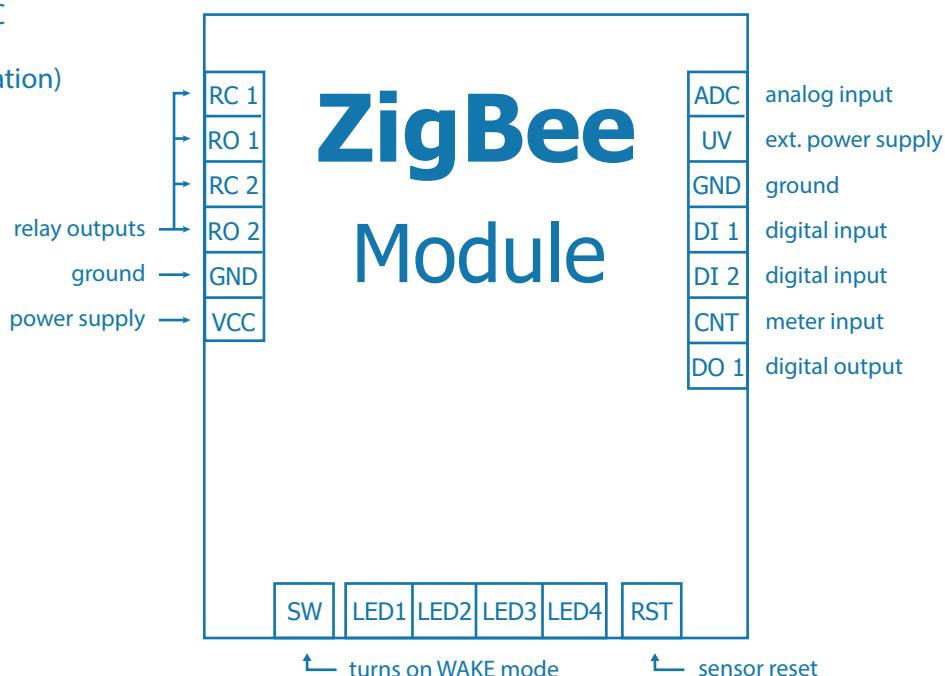
HARDWARE RESOURCES	
Digital input	2x DI (0 - 3 V)
Analog input	3x AI 0-20 mA (0 - 3 V) (12 bit resolution)
Relay output	2x 3A 230 V AC
Meter input	1x DI (0 - 3 V), max. frequency: 800 kHz
BUILT-IN TEMPERATURE SENSOR	
Temperature measurement range	from -40° C to +150° C
Temperature measurement accuracy	± 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	
Power adapter	5 ~ 12 V DC
Power consumption in sleep mode	5 uA
Power consumption in transmission mode	27 mA
CASING*	
Dimensions	64 x 83 x 28mm (width x length x height)

* DIN rail mounting option

Operating conditions

- Operating temperature: -20 to +70°C
- Storage temperature: -40 to +85°C
- Humidity: 5-95% RH (no condensation)

Pinout



Accessories

It is possible to connect:

- external temperature sensor
- humidity sensor