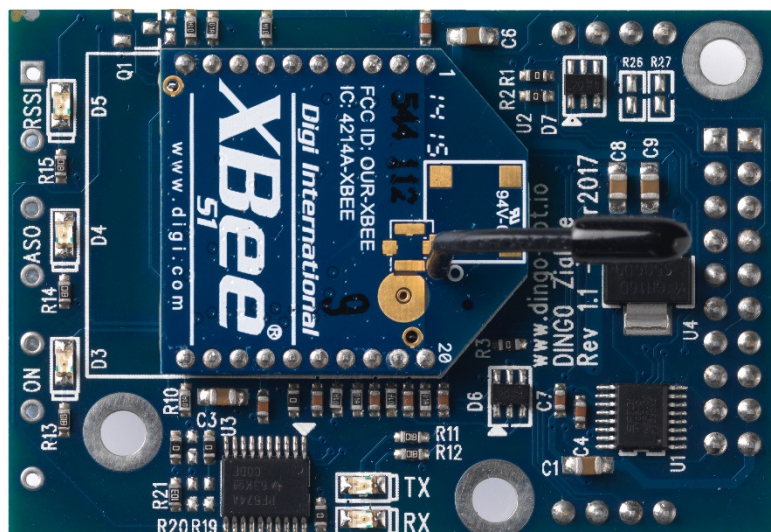


Item specifications

Go-IoT Item Id:	DINGO-PG-XBEE-01
RF Transceiver	XBEE - Silicon Labs EM357 SoC https://www.digi.com/lp/xbee
Frequency Band	ISM 2.4 GHz
Indoor Range	60m to 90m
Outdoor Range	1200m to 3200m
Maximum Data Rate	RF 250 Kbps, Serial up to 1 Mbp
USB 2.0 Interface	1
TTL Serial Interface	1 (not used)
I2C Channel 1 Interface	0x42
ADC Inputs	4 x 10bit
Antenna Connectors	Optional SMA Connector on XBEE Module
Drivers	Linux
Indicators	LEDs for ON, ASO and RSSI
Expansion Connectors	1 x 20way header from Base Board 2 x 4way header from Base Board
DC Input	+5V
Temperature	-20 degree C to +85 degree C
Size (L x W)	60 x 40 mm
Country/Region of Manufacture:	EU



20WAY ZIGBEE Interface

Pin	Port	Dir	Pull Up	Function	Description
1	+12V			POWER	
2	SPI_CLK	IN		SPI	SPI Clock
3	+3.3V			POWER	
4	SPI_MOSI	IN		SPI	SPI Master Out SLAVE In
5	TXD2	IN		Serial TX Data	Serial TTL Data from Host – Channel 2
6	SPI_MISO	IN		SPI	SPI Master In SLAVE Out
7	RXD2	OUT		Serial RX Data	Serial TTL Data to Host – Channel 2
8	SPI_SSx	OUT		SPI	Output from Power Line Module
9	NEVENTx	OUT		Power Line	SPI Slave Select
10	TXD3	IN		Serial TX Data	Serial TTL Data from Host – Channel 3
11	GND			POWER	
12	RXD3	OUT		Serial TX Data	Serial TTL Data to Host – Channel 3
13	ADDR1			IO	Module Specific
14	I2C_SCL	IN		I2C CLOCK	I2C – Channel 1 Clock
15	ADDR1			IO	Module Specific
16	I2C_SDA	BI		I2C DATA	I2C – Channel 1 Data
17	GPIOx	BI		IO	Module Specific
18	USB +	BI		USB Data	USB Positive Channel x
19	+5.0V	IN		POWER	+5.0V Output – 1000mA available
20	USB -	BI		USB Data	USB Negative Channel x

x = Channel / Number depend on location on Base Board

Blue Text is signals used on Module