

Product Brief

ANYLINK WIRELESS PRODUCTS



RF Modul DPM1276C433C868

High Range RF Modul for difficult application

High Range Low Power RF Transmitter Receiver Modul

Key Features:

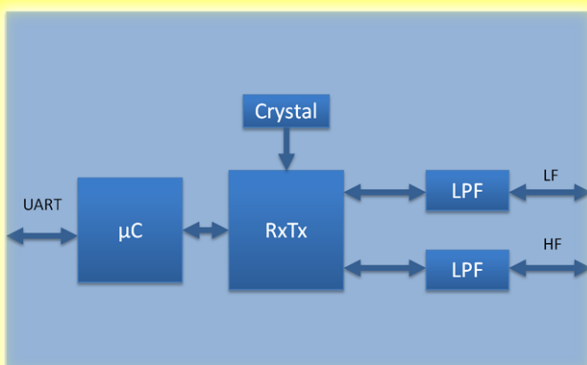
- Frequency band 868MHz and 433MHz
- Modulation FSK / LoRa
- Data rate up to 300kbit/s in FSK / 37.5 kbit/s LoRa
- Link Budget max 151 dB (146bit/s)
- Link Budget 142 dB (1170bit/s)
- TX max power 14dBm at 39mA
- RX max sensitivity -137dBm 14 mA
- Stable Clock reference from Crystal Resonator
- Bidirectional data transfer
- Optimized for low power applications
- UART interface simplifies data transfer

Applications:

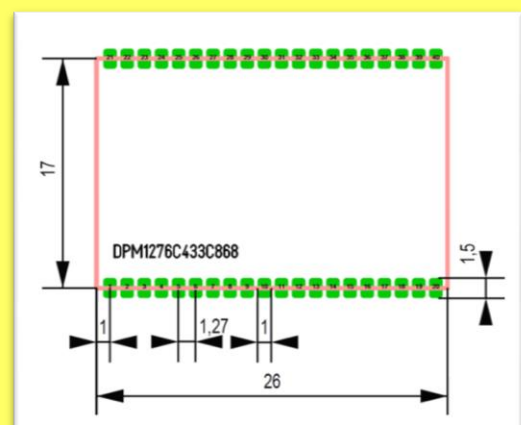
- Meter reading, long range,
- Read out sensor nodes
- Low power applications



Picture is different from product



Function diagram



Dimensions / Footprint

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Characteristics					
Parameter	Min	Typ	Max	Unit	Condition
Operating Conditions					
Operating temperature range	-20		75	°C	
Operating supply voltage	2.1	3	3.6	V	
Current Consumption					
Current consumption Tx		39		mA	
Current consumption Rx	13.5	14	15.5	mA	Depending on bandwidth and modulation
RF Characteristics					
Frequency	433		868	MHz	See datasheet for details
Bandwidth LoRa	62,5		500	kHz	
Link budget			151	dB	
Data rate RF FSK	1.2		300	kbit/s	
Data rate RF LoRa	146		21k	bit/s	
TX Output power	-4		14	dBm	1dB steps
Range					Km Range
Modulations					FSK / LoRa
Mechanical dimensions					
Dimensions					26x17x3.5 mm

Visit our website to locate the most current product specifications, datasheets and contact information for your local Distributor.

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ANYLINK SYSTEMS AG