

12 SCA-RF-SubG

Preliminary

SCA-RF-SubG is a RF module with long range transmission capability while maintaining low power consumption. Suitable for Smart City/Industrial Application.



Features

- Firmware Customization Available
- Easy-to-Use Development Tool
- Excellent Receiver Sensitivity
- Excellent Blocking Performance



Specifications

Technical Specifications	Parameter
Microcontroller	ARM Cortex -M3, 48MHz
Flash Memory Chip	128KB
Chip RAM	20KB
Operating Voltage	DC 3.3V
Working Frequency	Sub-1G , ISM Band 315- , 433- , 470- , 500- , 779- , 868- , 915- and 920-MHz
Protocol	IEEE 802.14.5g
Modulation	GFSK
Transmit Power	+14 dBm (Max), 12.9mA
Receiver Sensitivity	-124 dBm , Long-Rang Mode -110 dBm , at 50kbps
Receiving Current	5.5mA , Destined mode(lowest)
Excellent Sensitivity	52dB
Excellent Blocking Performance	90dB
Standby Current	0.6uA
Transmission Rate	4Mbps (max)
Antenna Type	external antenna w/ IPEX type
Operating Temperature	-40°C ~ +85°C
Size	50.95mm*30.0mm*6.0mm ,mPCIe Std. format

Packing List

- MINI JUMPER, 2.0mm (RED)
- USB Cable, Type A to Mini USB 100 cm

