Superdji

BiDiPA2458-4WX dual band bidirectional signal amplifier

Introduction

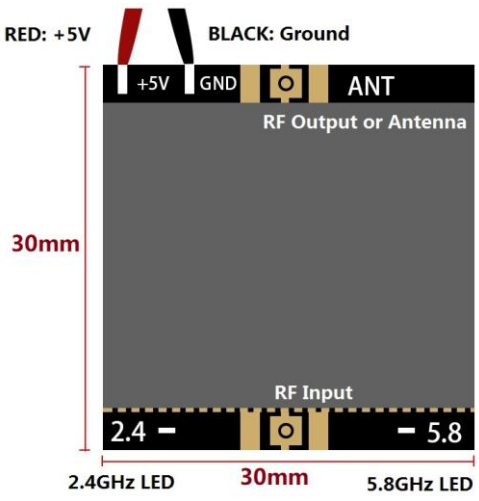
The 2.4GHz 5.8GHz dual band bidirectional signal amplifier with automatic switching is a highly efficient and compact unit designed to increase the performance and range of the transceiver work in the 2.4GHz and 5.8GHz ISM band.Such as WiFi, Zigbee, Wireless Video transmitter, Drone UAV RC, baby monitor, wireless camera , wireless audio. This product has the function of bidirectional amplification signal. Can be used with all kinds of antenna.

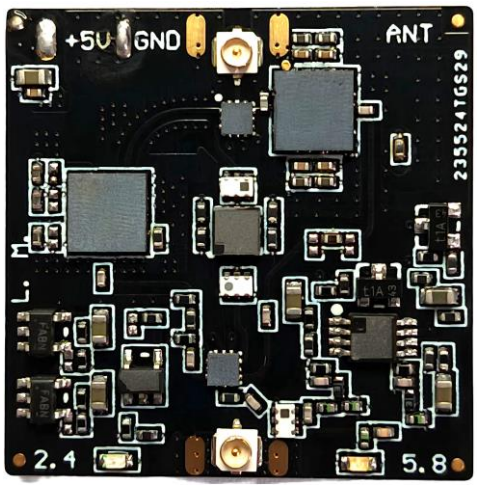
Specifications

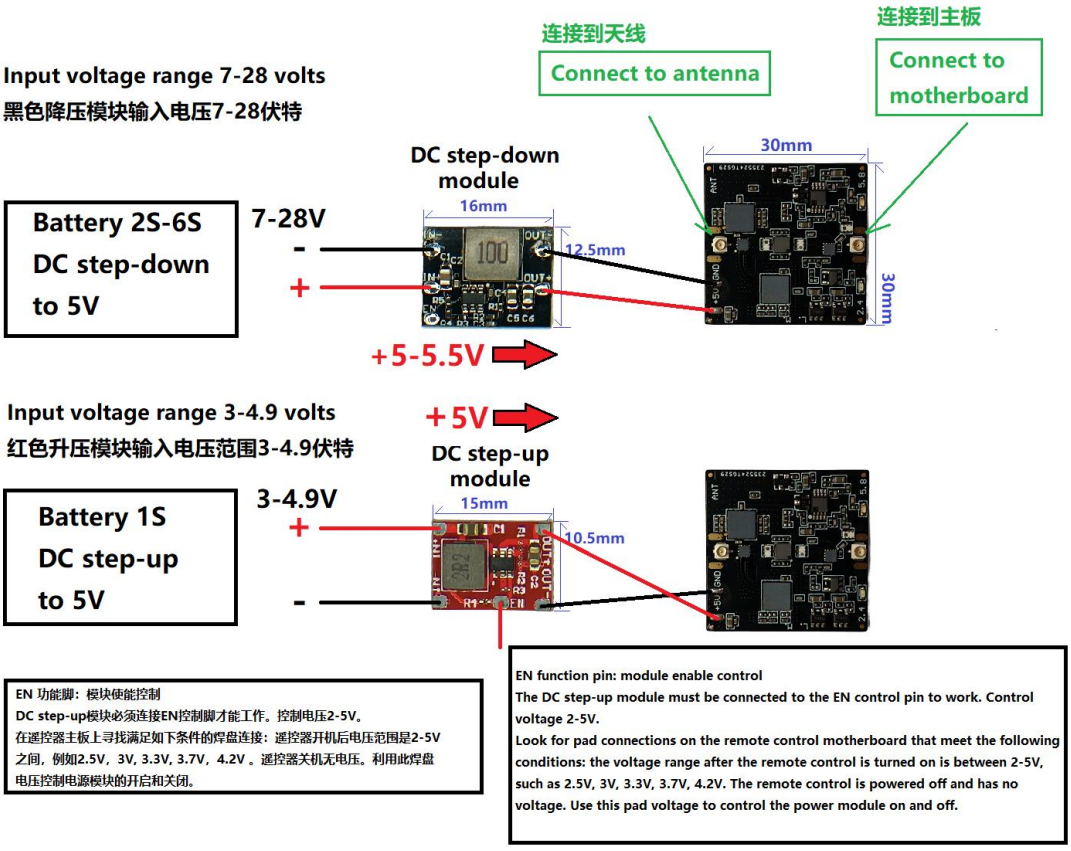
Model Number	BidiPA2458-4WX	Maximum output power	(36dBm)4W+
Frequency Band	2.4-2.5GHz，5-6GHz	Max RF Input power	500mW
Cooling mode	Passive cooling	Min RF Input power	10mW
Weight	<10 g	optimum Input power	100mW
PCB Size	30*30*3.5 mm	Power Supply Voltage	5-5.5 V
Otput connector	MMCX-KE, IPEX 1, IPEX 4	Input connector	MMCX-KE, IPEX 1, IPEX 4
2.4GHz TX Gain	For CE:16 dB, FCC:13dB	5.8GHz TX Gain	For CE:18 dB, FCC:13dB
2.4GHz RX Gain	12 dB	5.8GHz RX Gain	15 dB
RED LED	Working in 2.4G mode	BLUE LED	Working in 5.8G mode
Maximum output power options @Temperature 20℃	4W+ Powerful, Extreme choice	power supply 5.5V 2.8A DCDC efficiency 80%, Power dissipation≈20W	
	3.5W Balance, the best choice	power supply 5.3V 2.6A Total power dissipation≈17.5W	
	3W Low power, high stability	power supply 5.1V 2.4A Total power dissipation≈15W	

ACUTION DANGER!

- Turn off the power supply before remove or replace the antenna.
- The amplifier work will be hot, please ensure good heat dissipation. the amplifier is in full contact with the material for thermal conduction. High temperature will shorten the service life
- Not lightning protection ! Not waterproof !
- Non professional modification may be damage the device !
- Please observe the local electromagnetic radiation regulations, Our company is not liable for any resulting liability.







Quick Install Guide

STEP 1:Turn off the power supply of the transceiver, take down the antenna of the transceiver.

STEP 2:The booster input port connection with the output port of the transceiver.

STEP 3:Reconnect the antenna to the booster.

STEP 4:Connect the power supply. The LED lights means the booster to work.

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