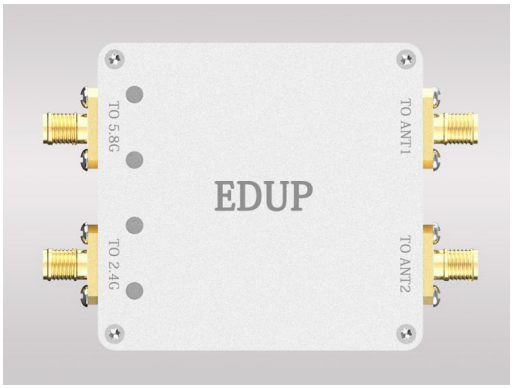
2.4G+5.8GHz Dual Channel Drone Extender

Applications

Drone Signal Extender



Features

3.0dB ultra-low noise

5V to 16V operating input range

Working with certified IEEE 802.11a/n Wireless LAN devices

Simply plug and play, no software is required

80X the power, improving the link quality and coverage of certified WLAN devices

5.8GHz Channel Parameters

Number	Items	Specifications
1	Frequency Range	5725-5850MHz
2	Operating Voltage	5-16V
3	Receiving Gain	16dB±1
4	Transmission Gain:	18dB±1
5	Max Output Power(P1dB)	36dBm(4W)
6	Input Trigger Power	Min:3dBm Max:20dBm
7	EVM	3%@28dBm 802.11a 54Mbps OFDM 64QAM BW 20MHz
8	Noise Figure	＜3.0dB
9	Current Supply	485mA@Pout 28dBm 12V
10	TX/RX Switch Time Delay	＜1 us
11	LED Indicator	Transmitter: Green; Receiver: red
12	RF Connector	Input: SMA-K; Output: RP-SMA-K

2.4GHz Channel Parameters

Number	Items	Specifications
1	Frequency Range	2400-2500MHz
2	Operating Voltage	5-16V
3	Receiving Gain	16dB±1
4	Transmission Gain:	18dB±1
5	Max Output Power(P1dB)	36dBm(4W)
6	Input Trigger Power	Min:3dBm Max:20dBm
7	EVM	3%@28dBm 802.11a 54Mbps OFDM 64QAM BW 20MHz
8	Noise Figure	＜3.0dB

9	Current Supply	485mA@Pout 28dBm 12V
10	TX/RX Switch Time Delay	＜1 us
11	LED Indicator	Transmitter: Green; Receiver: red
12	RF Connector	Input: SMA-K; Output: RP-SMA-K
13	Storage Temperature	-40℃～+150℃
14	Operating Humidity	Up to 95% rel. humidity
15	Operating Temperature	-30℃～+70℃
16	Power Socket	2.5*0.7mm DC(default)
17	Shell Size	65*61*12(mm)
18	Shell Material	Aluminum
19	Net Weight	0.12Kg

Attentions

1 12V /1A power supply.

2 Heat dissipation is recommended, such as adding heat sink or radiator fan.

3 Antenna should be screwed first, then plug the power adapter, finally connect the device.

4 The output could reach 36dBm, when input power is 18dBm or 19dBm (default gain is 18dB).