

1.4GHz 20W Signal Booster EP-AB053

The **1.4GHz 20W Signal Booster Extender** is a high-performance device engineered to enhance the range and strength of wireless signals within the 1.4GHz frequency band (1420–1470MHz). With a powerful 20W (43dBm) output, it significantly amplifies signals sent and received by devices such as routers, smartphones, laptops, and tablets—extending coverage and improving signal quality.

Ideal for areas with weak or inconsistent wireless connectivity, this booster ensures stable and reliable connections across large homes, office spaces, and industrial environments. It effectively reduces dead zones and enhances overall network performance.

Designed with a compact form factor, the device is easy to install and integrates seamlessly into existing wireless systems. By eliminating signal weak spots and expanding coverage, it delivers faster speeds, lower latency, and a better user experience in both residential and commercial settings.

Whether for home or business use, the 1.4GHz 20W Signal Booster Extender is a powerful, efficient solution to elevate your wireless network performance.

Applications

Smart Home Systems Signal Extender

Wireless Cameras Signal Extender

Drone Signal Extender

Features

60X the power, improving the link quality and coverage of certified devices

2.5dB ultra-low noise

Wide 12V to 20V operating input range

Simply plug and play, no software is required

Parameters

Number	Items	Specifications
1	Frequency Range	1420-1470MHz
2	Operating Voltage	12-20V
3	Receiving Gain	18dB \pm 1
4	Transmission Gain:	17dB \pm 1
5	Max Output Power(P1dB)	43dBm(20W)

6	Input Trigger Power	Min:3dBm Max:27dBm
7	EVM	5%@35dBm 802.11g 54Mbps OFDM 64QAM BW 20MHz
8	Noise Figure	<2.5dB
9	Current Supply	1.8A@Pout 35dBm 12V
10	TX/RX Switch Time Delay	<1 us
11	LED Indicator	Transmitter: Green; Receiver: Red
12	Operating Temperature	-30℃~+70℃
13	Storage Temperature	-40℃~+150℃
14	Operating Humidity	Up to 95% rel. humidity
15	RF Connector	Input: SMA-K; Output: SMA-K
16	Power Socket	5.5*2.1mm
17	Shell Size	118*59*17(mm)
18	Shell Material	Aluminum
19	Net Weight	0.22Kg

