

## EP-AB062 1.8GHz 20W Signal Booster

### Applications

Smart Home & IoT Systems: Extend Wi-Fi/ZigBee/LTE coverage in large houses, multi-floor buildings, or smart home networks

Wireless Security Cameras: Maintain stable connections for indoor/outdoor surveillance cameras over long distances

Industrial & Commercial Wireless Systems: Improve link quality in warehouses, factories, and office buildings

Temporary Events & Outdoor Installations: Reliable signal for festivals, construction sites, or outdoor monitoring systems



### Features

High output power: 20 W (43dBm), significantly extending coverage and improving signal reliability

Ultra-low noise figure of 2.5 dB ensures minimal signal degradation

Wide operating voltage range: 12 V – 24 V DC, compatible with standard power sources

Plug-and-play design, no software or configuration required

Compact, lightweight aluminum housing (104 × 60 × 17 mm, 0.27 kg) suitable for portable and fixed installations

### Parameters

Number	Items	Specifications
1	Frequency Range	1800-1900MHz
2	Operating Voltage	12-24V
3	Receiving Gain	18dB ± 1
4	Transmission Gain	19dB ± 1
5	Max Output Power(P1dB)	43dBm(20W)
6	Input Trigger Power	Min:3dBm Max:20dBm

7	EVM	3% $\text{@}37\text{dBm}$ 802.11g 54Mbps OFDM 64QAM BW 20MHz
8	Noise Figure	$<2.5\text{dB}$
9	Current Supply	2.1A $\text{@}P_{\text{out}}$ 43dBm 24V
10	TX/RX Switch Time Delay	$<1\text{ us}$
11	LED Indicator	Transmitter: Green; Receiver: Red
12	Operating Temperature	$-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$
13	Storage Temperature	$-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
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	104*60*17(mm)
18	Shell Material	Aluminum
19	Net Weight	0.27Kg