



## Hiboost Wide Band Booster Single Band 2100MHz F13-3G

### Description

F13-3G Wide Band Booster is designed to improve mobile signals for end users directly. It covers any indoor area up to 500 square meters and is guaranteed to supply great communication experience with clearer calls and higher data download speed than ever.

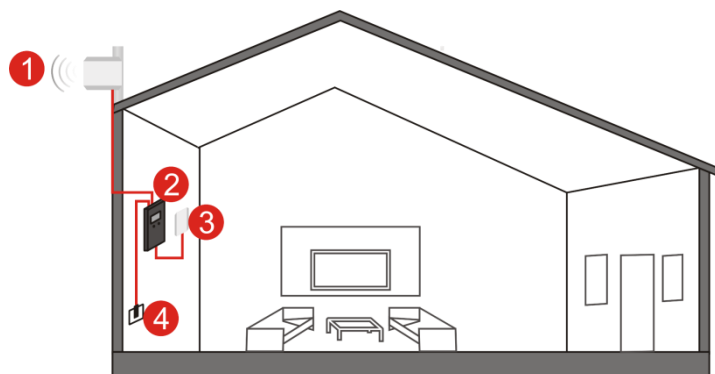


### Key Features

- Support 2100MHz
- Real-time LED display
- Manual and automatic gain control functions
- Self-oscillation protection
- High integration
- Compact and light
- Good heat dissipation for long time operation
- Wide power supply range and low power consumption



### Installation Example



1. Outdoor Antenna    2. Booster    3. Indoor Panel Antenna    4. Power Supply

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## Specification

RF Parameter		Uplink	Downlink
Frequency Range	2100MHz	1920~1980MHz	2110~2170MHz
Max .Gain		60dB	65dB
Max .Output Power		17dBm	13dBm
MGC ( Step Attenuation )		≥ 30dB / 2dB step	
Intelligent AGC*	ALC	≥ 42dB	
	ISO	≥ 42dB	
Gain Flatness		Typical ≤ 5dB (p-p)	
Noise Figure @ Max. System Gain		Typical ≤ 5dB	
V.S.W.R		Typical ≤ 2	
Group Delay		≤ 1μs	
Frequency Stability		≤ 0.01ppm	
Electrical Parameter			
Power Supply		Input AC100~240V,50/60Hz,Output DC5V/3A	
Power Consumption		≤ 5W	
Input & Output Impedance		50 ohm	
Indicator			
ISO LED	1) Green: No loop back or no self-oscillation		
	2) Slow Flashing Green: Slight loop back or self-oscillation		
	3) Quick Flashing Green: Deep loop back or self-oscillation		
	4) Quick Flashing Red: Severe loop back or self-oscillation		
	5) OFF: The booster auto shuts off for protection due to very severe self-oscillation.		
Alarm LED	1) Green: Output power is not full		
	2) Slow Flashing Green: Full output power		
	3) Quick Flashing Green: Output power is over rated		
	4) Quick Flashing Red: The booster auto shuts off for protection due to much over rated output power.		
Mechanical Parameter			
I /O Port Type		N-Female	
Dimension		4.7*6.1*1.6 inch/120*155*40mm	
Weight		≤ 1.5 lbs/0.7KG	
Environment Parameter			
Operating Temperature		-10°C~ +55°C	
Environment Conditions		IP40	

\* MGC, ALC and ISO share intelligent AGC 42 dB range.

ALC: 42dB automatic gain adjustment range to stabilize the output power.

ISO: 42dB intelligent isolation processing to avoid self-oscillation.

The information in this specification reserves the right to change without notice.

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