

Plus Series
HiBoost Hi20-5S-Plus

Description

The HiBoost five-band booster Hi20-5S-Plus is designed to improve mobile signal coverage for end users. It supports indoor areas up to 4000 square meters (8-15 rooms) and provides an enhanced communication experience with clearer calls and faster mobile data speeds.

Key Features

- Supports LTE800 MHz, EGSM900 MHz, DCS1800 MHz, WCDMA2100 MHz and LTE2600 MHz
- Real-time LCD display
- Manual and automatic gain control functions
- Bluetooth and Wi-Fi modules
- Setup and monitoring via the Signal Supervisor mobile App
- Self-oscillation protection
- Quality built, strong and durable construction



Standard Kit Includes

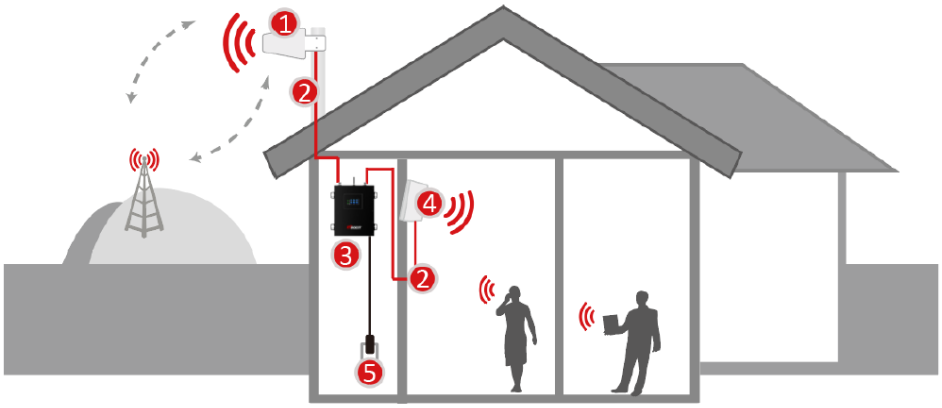
- Hi20-5S-Plus mobile signal booster
- Outdoor wide band directional antenna
- 50 ft (15.2m) low-loss HiBoost300 cable
- 12V/7A, AC/DC power supply



Address: Peterstraße 53+55, 52353 Düren-Merken, GERMANY Email: sales2@huaptec.eu Website: https://www.hiboost.eu/
Designed and Produced by Huaptec

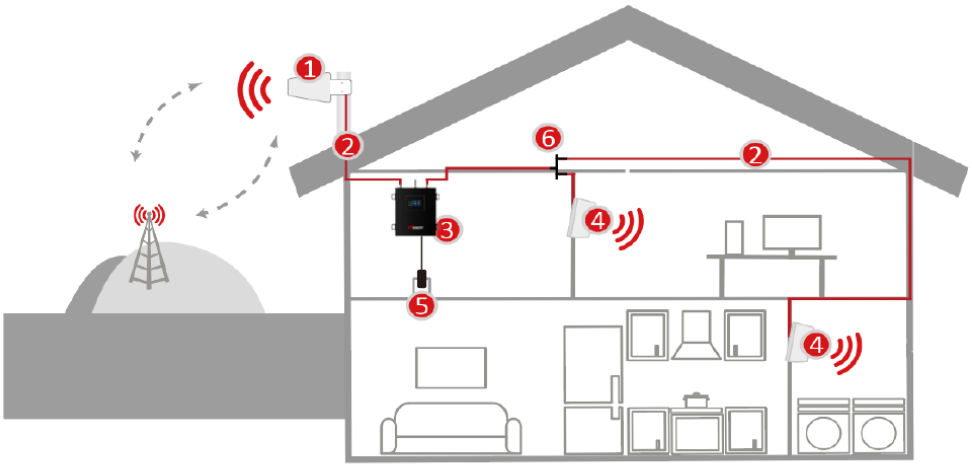
Installation Examples

a) Optional Panel Pro kit or Omni Pro Kit (1x indoor panel/omni antenna+1 low-loss cable.)



1-Outdoor directional antenna
2-Low-loss cable
3-Booster
4-Indoor panel/omni antenna
5-Power supply

b) 2x Optional Panel Pro kit or Omni Pro Kit (2 indoor panel/omni antenna+ 2 low-loss cable+ 2-way splitter)



1-Outdoor directional antenna
2-Low-loss cable
3-Booster
4-Indoor panel/omni antenna
5-Power supply
6-Two-way splitter

Specification

RF Parameter		Uplink	Downlink
Frequency Range	800MHz	832~862MHz	791~821MHz
	900MHz	880~915MHz	925~960MHz
	1800MHz	1710~1785MHz	1805~1880MHz
	2100MHz	1920~1980MHz	2110~2170MHz
	2600MHz	2500~2570MHz	2620~2690MHz
Max .Gain		65dB	70dB
Max. Output power		17dBm	20dBm
MGC (Step Attenuation)		≥31dB / 1dB step	
Intelligent AGC*	ALC	≥31dB	
	ISO	≥31dB	
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 AC100~264V, 50/60Hz, Output DC12V/7A	
Power Consumption		≤24W	
Input & Output Impedance		50 ohm	
Indicator			
LCD Display		Frequency, Gain, Output Power, ALC, ISO, etc.	
Mechanical Parameter			
I /O Port Type		N-Female	
Dimension		220*280*55 mm	
Weight		3.6 KG	
Environment Parameter			
Operating Temperature		-10ºC~+55ºC	
Storage Temperature		-10ºC~+80ºC	
Relative Humidity		5% - 95%	
Barometric Pressure		55 kPa -106 kPa	
Environment Conditions		IP40	

* MGC, ALC and ISO share intelligent AGC 31 dB range.

** ALC: 31dB automatic gain adjustment range to stabilize the output power.

*** ISO: 31dB intelligent isolation processing to avoid self-oscillation.

Note: This is a typical specification for room temperature.

We reserve the right to change this specification without prior notice.