

Description

HiBoost guint band booster Hi23-5S is designed to improve mobile signal for end users directly. It covers any indoor area up to 5500 square meters (open space area) and is guaranteed to supply great communication experience with clearer calls and higher mobile data speeds than ever.



Key Features

- · Supports LTE800, EGSM900, DCS1800, WCDMA2100 and LTE2600 MHz
- Real-time LCD display
- Manual and automatic gain control
- Setup and monitoring via a mobile app
- Self-oscillation protection
- · Quality built, strong and durable construction
- Conforms to ETSI&3GPP standards





Standard Kit Includes

- · Hi23-5S mobile signal booster
- 12V/7A, AC/DC power supply
- · Outdoor wide band directional antenna
- 50 ft (15.2m) low-loss Hiboost 5D cable





Specification

Second Parameter Second Par	RF Parameter		Uplink	Downlink	
Trequency Range 1800MHz 1710~1785MHz 1805~1880MHz 2100MHz 2100MHz 2110~2170MHz 2600MHz 2600~2690MHz 2600	Frequency Range	800MHz	832~862MHz	791~821MHz	
2100MHz 1920~1980MHz 2110~2170MHz 2600MHz 2500~2570MHz 2620~2690MHz Max . Gain 65dB 75dB Max . Output Power 17dBm 23dBm MGC (Step Attenuation) ≥31dB / 1dB step		900MHz	880~915MHz	925~960MHz	
Max . Gain 65dB 75dB		1800MHz	1710~1785MHz	1805~1880MHz	
Max . Gain65dB75dBMax . Output Power17dBm23dBmMGC (Step Attenuation)≥31dB / 1dB stepIntelligent AGC*ALC 1SO≥42dBGain FlatnessTypical≤5dB (p-p)Noise Figure @ Max. System GainTypical≤5dBV.S.W.RTypical≤2Group Delay≤1µsFrequency Stability≤0.01ppmElectrical ParameterElectrical ParameterPower SupplyInput AC90~264V,50/60Hz, Output DC12V/7APower Consumption≤23WInput & Output Impedance50 ohmIndicatorFrequency, Gain, Output Power, ALC, ISO, etc.LCD DisplayFrequency, Gain, Output Power, ALC, ISO, etc.Mechanical Parameter1/O Port TypeN-FemaleDimension8.7*11*2.2inch/220*280*55 mmWeight≤8lbs/3.6KGEnvironment ParameterOperating Temperature-10°C~+55°CStorage Temperature-10°C~+55°CStorage Temperature-10°C~+80°CRelative Humidity5% - 95%Barometric Pressure55 kPa -106 kPa		2100MHz	1920~1980MHz	2110~2170MHz	
Max .Output Power 17dBm 23dBm MGC (Step Attenuation) ≥31dB / 1dB 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 Electrical Parameter Power Supply Input AC90~264V,50/60Hz, Output DC12V/7A Power Consumption ≤23W Input & Output Impedance 50 ohm Indicator 50 ohm LCD Display Frequency, Gain, Output Power, ALC, ISO, etc. Mechanical Parameter 1/O Port Type N-Female N-Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure 55 kPa -106 kPa		2600MHz	2500~2570MHz	2620~2690MHz	
MGC (Step Attenuation) ≥31dB / 1dB 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 AC90~264V,50/60Hz, Output DC12V/7A Power Consumption ≤23W Input & Output Impedance 50 ohm Indicator LCD Display Frequency, Gain, Output Power, ALC, ISO, etc. Mechanical Parameter I /O Port Type N-Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+55°C Relative Humidity 5% - 95% Barometric Pressure 55 kPa -106 kPa	Max .Gain		65dB	75dB	
Intelligent AGC* ALC S42dB S90 S9dB S90 S9dB	Max .Output Power		17dBm	23dBm	
Intelligent AGC*Gain FlatnessTypical≤5dB (p-p)Noise Figure @ Max. System GainTypical≤5dBV.S.W.RTypical≤2Group Delay≤1μsFrequency Stability≤0.01ppmElectrical ParameterPower SupplyInput AC90~264V,50/60Hz, Output DC12V/7APower Consumption≤23WInput & Output Impedance50 ohmIndicatorLCD DisplayFrequency, Gain, Output Power, ALC, ISO, etc.Mechanical ParameterI /O Port TypeN-FemaleDimension8.7*11*2.2inch/220*280*55 mmWeight≤8lbs/3.6KGEnvironment ParameterOperating Temperature-10°C~+55°CStorage Temperature-10°C~+80°CRelative Humidity5% - 95%Barometric Pressure55 kPa -106 kPa	MGC (Step Attenuation)		≥31dB / 1dB step		
Gain Flatness Typical≤5dB (p−p) Noise Figure @ Max. System Gain V.S.W.R Typical≤2 Group Delay Frequency Stability Electrical Parameter Power Supply Input AC90~264V,50/60Hz, Output DC12V/7A Power Consumption ≤23W Input & Output Impedance Indicator LCD Display Frequency, Gain, Output Power, ALC, ISO, etc. Mechanical Parameter I /O Port Type N−Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% − 95% Barometric Pressure	Intelligent AGC*	ALC	≥42dB		
Noise Figure @ Max. System Gain V.S.W.R Typical≤2 Group Delay Frequency Stability Electrical Parameter Power Supply Input AC90~264V,50/60Hz, Output DC12V/7A Power Consumption ≤23W Input & Output Impedance Indicator LCD Display Frequency, Gain, Output Power, ALC, ISO, etc. Mechanical Parameter I /O Port Type N-Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure		ISO	≥42dB		
V.S.W.R Group Delay Frequency Stability Electrical Parameter Power Supply Input AC90~264V,50/60Hz, Output DC12V/7A Power Consumption ≤23W Input & Output Impedance Indicator LCD Display Frequency, Gain, Output Power, ALC, ISO, etc. Mechanical Parameter I /O Port Type N-Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure	Gain Flatness		Typical≤5dB (p-p)		
Group Delay ≤1µs Frequency Stability ≤0.01ppm Electrical Parameter Power Supply Input AC90~264V,50/60Hz, Output DC12V/7A Power Consumption ≤23W Input & Output Impedance 50 ohm Indicator LCD Display Frequency, Gain, Output Power, ALC, ISO, etc. Mechanical Parameter I /O Port Type N-Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure 55 kPa -106 kPa	Noise Figure @ Max. System Gain		Typical≤5dB		
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LCD Display Mechanical Parameter I /O Port Type N-Female Dimension 8.7*11*2.2inch/220*280*55 mm Weight ≤8lbs/3.6KG Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure Frequency, Gain, Output Power, ALC, ISO, etc.	Input & Output Impedance		50 ohm		
Mechanical ParameterI /O Port TypeN-FemaleDimension8.7*11*2.2inch/220*280*55 mmWeight≤8lbs/3.6KGEnvironment ParameterOperating Temperature-10°C~+55°CStorage Temperature-10°C~+80°CRelative Humidity5% - 95%Barometric Pressure55 kPa -106 kPa	Indicator				
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Environment Parameter Operating Temperature -10°C~+55°C Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure 55 kPa -106 kPa	Dimension		·		
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Storage Temperature -10°C~+80°C Relative Humidity 5% - 95% Barometric Pressure 55 kPa -106 kPa	Environment Parameter				
Relative Humidity 5% – 95% Barometric Pressure 55 kPa –106 kPa					
Barometric Pressure 55 kPa -106 kPa	<u> </u>		-10°C~+80°C		
	•		5% – 95%		
Environment Conditions IP40			55 kPa -106 kPa		
	Environment Conditi	ons	IP40		

^{*} MGC, ALC and ISO share intelligent AGC 42 dB range.

Note: This is a typical specification for room temperature.

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

^{**} ALC: 42dB automatic gain adjustment range to stabilize the output power.

^{***} ISO: 42dB intelligent isolation processing to avoid self-oscillation.