



roveramp



Industrial Booster HiBoost Industrial 100K

The HiBoost Industrial 100K is a great alternative to expensive narrow-band in-building DAS, but at a much lower cost. It provides enhanced cellular and data reception for sectors with areas up to 100,000 square feet with over 200 simultaneous users in each of the 5 bands where it operates.

This is a full-featured professional grade bi-directional amplifier that includes a very sophisticated gain control and automatic shutdown for network protection. Providing a highly smart Automatic Level Control (ALC) and Isolation gain processing system to adjust its uplink and downlink gain, it prevents self-oscillations, optimizes signal levels and prevents overload from nearby high-power towers.

Designed for the most demanding projects, its installation is virtually “plug and play.” Unlike other amplifiers there are no DIP switches or potentiometers to adjust. Everything is designed with the most up-to-date digital processing, including the flexibility to make manual uplink and downlink adjustments if required.

According to independent FCC testing it's the most powerful 83 dB linear amplifier available in its price range. The HiBoost Industrial 100K is an ideal choice for office buildings, restaurants, bars, apartment complexes, very large homes and commercial buildings. Modular multi-sector systems can also be implemented using multiple amplifiers to expand coverage well beyond 100,000 square feet. (See diagram on back).

Unlike other industrial amplifiers which may have as many as four indoor antenna ports, a single high-power indoor antenna port is provided that permits convenient daisy chaining and coupling of multiple antennas to minimize installation labor and cable cost.

Features

Best-in-class gain (83 dB) and downlink output power (27 dBm)

Five band design covers all US and Canadian carriers

100,000 square feet coverage in a typical office or dense industrial environment

Highly linear design supports over 200+ simultaneous users in each band

Covers Cellular 800, PCS, AWS, Upper and Lower 700 LTE Bands

Smart ALC and ISO compensates for potential oscillations and changes in the carrier's signal transmissions

Professional LCD panel displays gain and output power for easy installation and antenna pointing

Easily mounts to any wall. No rack required

Approved by the FCC and IC for use in the US and Canada



Amplifier easily mounts to any wall. No rack required. Its well-designed thermal management heat sink ensures cool operation, long life and reliability



Professional LCD panel displays gain levels and output power in each band to enable easy setup, troubleshooting and outdoor / indoor antenna alignment and placement.



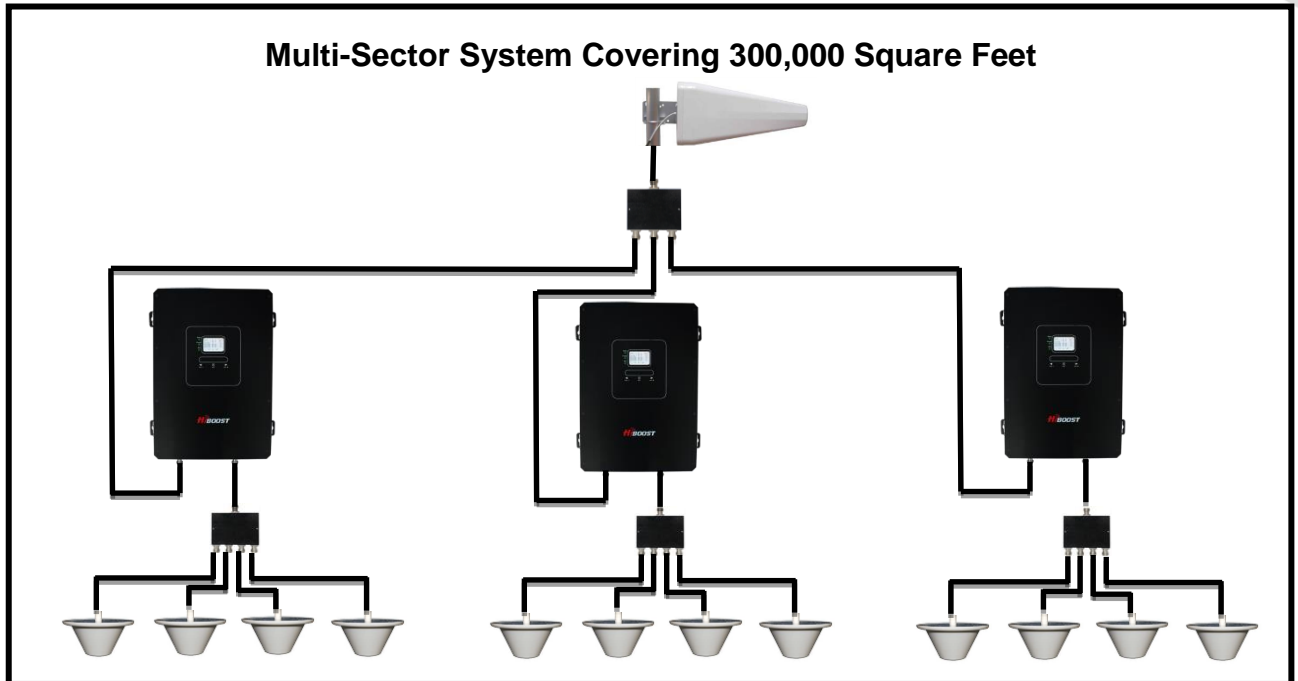
Booster Standard Kit Includes

- HiBoost Industrial 100K signal booster
- 12V/7A, AC/DC Power Supply

Specification

UL Frequency Range	698-716 / 776 – 787 / 824-849 / 1850-1915 / 1710-1755
DL Frequency Range	728-746 / 746 – 757 / 869-894 / 1930-1995 / 2110-2155
Supported Standards	CDMA, WCDMA, GSM, EDGE, HSPA+, EVDO, LTE and all cellular standards
Max. Gain	Uplink80dB/Downlink83dB
Max. Output Power	Uplink20dBm/Downlink27dBm
MGC (Step Attenuation)	31 dB/1 dB step
Automatic Gain Control	51dB
I/O Port	N-Female
Impedance	50 ohm
Environment Conditions	IP40
Dimensions	11*15.7*2.1 inch / 280*400*53mm
Weight	≤17.6Lbs / 8Kg
Power Supply	Input AC100~240V, 50/60Hz, Output DC 12V/7A

We provide all accessories needed for signal boosters. The accessories needed can vary according to the size and construction materials used in the building, outdoor signal strength and layout of the structure. Please contact us for assistance in designing your system.



Typical Installation

