



## Industrial Booster HiBoost Industrial 100K

### Overview

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 sophisticated gain control and automatic shutdown for network protection. Providing Automatic Level Control (ALC) and Isolation gain processing system to adjust uplink and downlink gain, it prevents self-oscillation, 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 some 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, the HiBoost Industrial 100K is the most powerful 83 dB linear amplifier available in its price range. It’s 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.



**The amplifier easily mounts to any wall, with no rack required. Its well-designed thermal management heat sink ensures cool operation, long life and reliability.**



## Key Features

- Best-in-class gain (83 dB) and downlink output power (27 dBm)
- Five-band design covers all U.S. 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 U.S. and Canada



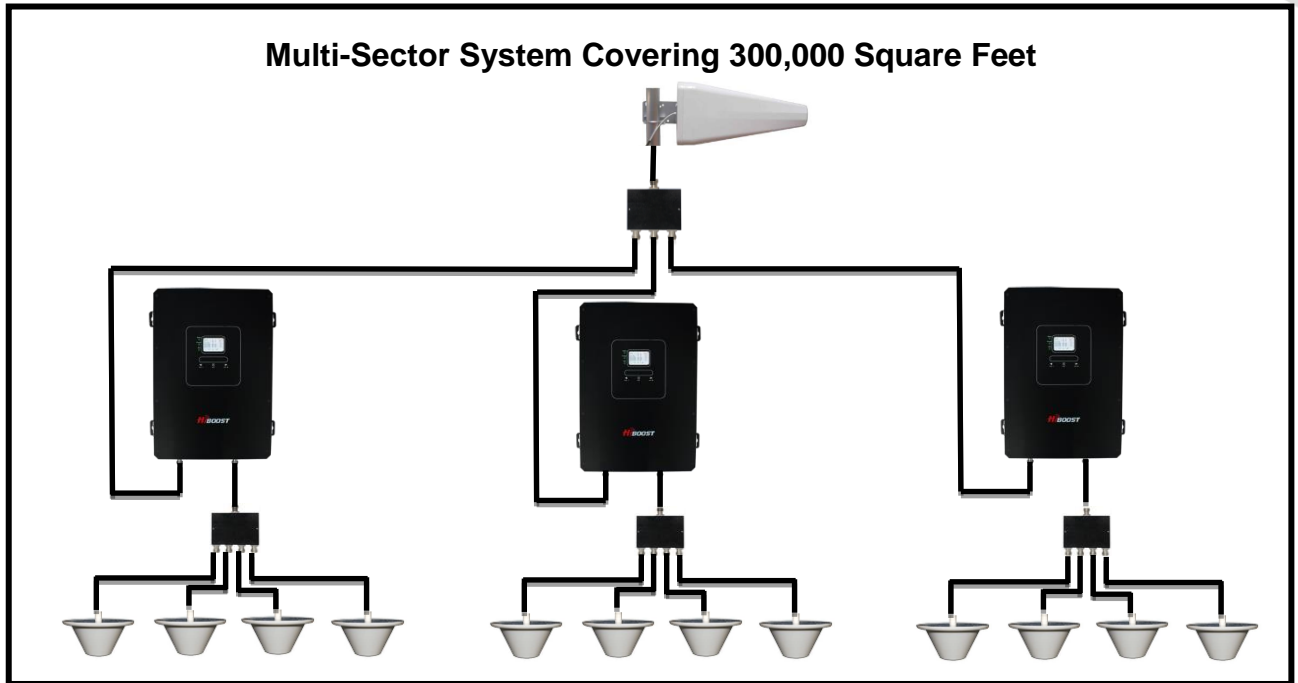
## Booster Standard Kit Includes

- HiBoost F27-5S-IOT signal booster
- 12V/7A, AC/DC Power Supply

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.

## Specification

<b>UL Frequency Range</b>	698-716 / 776 – 787 / 824-849 / 1850-1915 / 1710-1755
<b>DL Frequency Range</b>	728-746 / 746 – 757 / 869-894 / 1930-1995 / 2110-2155
<b>Supported Standards</b>	CDMA, WCDMA, GSM, EDGE, HSPA+, EVDO, LTE and all cellular standards
<b>Max. Gain</b>	Uplink 80 dB / Downlink 83 dB
<b>Max. Output Power</b>	Uplink 20 dBm / Downlink 27 dBm
<b>MGC ( Step Attenuation )</b>	31 dB / 1 dB step
<b>Automatic Gain Control</b>	51 dB
<b>I/O Port</b>	N-Female
<b>Impedance</b>	50 ohm
<b>Environment Conditions</b>	IP40
<b>Dimensions</b>	11×15.7×2.1 inch / 280×400×53mm
<b>Weight</b>	≤17.6 lbs. / 8 kg
<b>Power Supply</b>	Input AC100~240V, 50/60Hz; Output DC 12V/7A



### Typical Installation

