HiBOOST© *We Improve Your Mobile Signal*

PRO Quint 100,000

Industrial High-Power Booster Amplifier

Model: F27-5S

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*
- *Intelligent ALC 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*
- *3-year warranty*

The F27-5S 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 intelligent Automatic Level Control system (ALC) to adjust its uplink and downlink gain, it prevents self-oscillations, optimizes signal levels and prevents overload from nearby high-power towers.

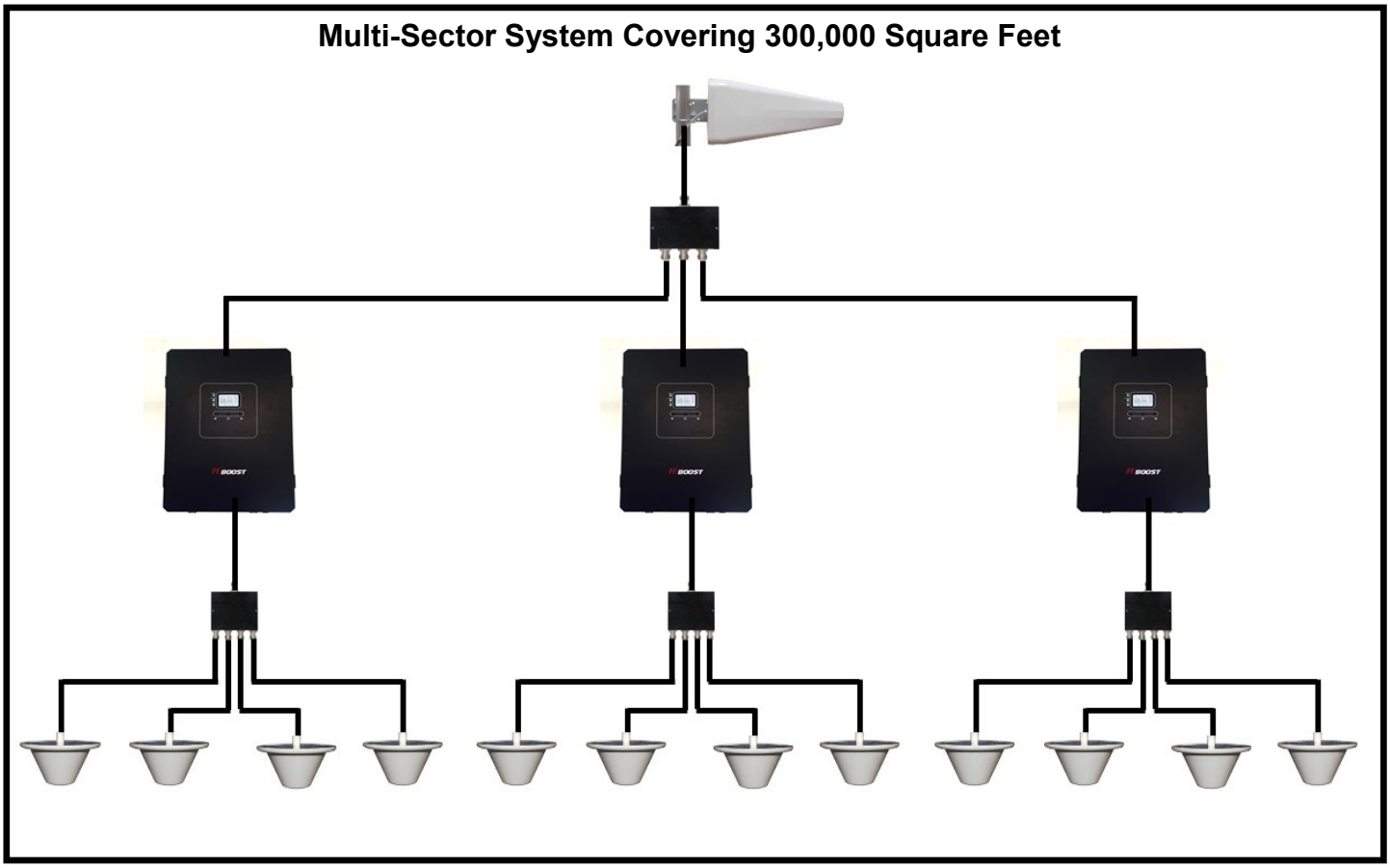
Designed for the most demanding projects, its installation is virtually 'plug and play'. Unlike other amplifiers, there are no DIP switches or potentiometers to adjust. Everything is designed with the most up-to-date digital processing including the flexibility to make manual uplink and downlink adjustments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

According to independent FCC testing it's the most powerful 83 dB linear signal amplifier available in its economic price range. 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 with as many as four indoor antenna ports, a single high-power indoor antenna port is provided that permits convenient daisy chaining / coupling of multiple antennas to minimize installation labor and cable cost.

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 or indoor antenna alignment and placement.

Electrical specification		
UL Frequency Range (MHz)	698-716 / 776 – 787 / 824-849 / 1850-1915 / 1710-1755	
DL Frequency Range (MHz)	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	Uplink 80dB / Downlink 83dB	
Max. Output Power	Uplink 20dBm / Downlink 27dBm	
MGC (Step Attenuation)	31dB /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 7Amps
FCC ID:	OWWF27-5S	
IC ID	10527A-F275S	

Multi-Sector System Covering 300,000 Square Feet