

HiBoost CommLink 20K

72dB Professional-Grade Signal Booster
for Commercial & Multi-Story Buildings

Overview



The HiBoost CommLink 20K is engineered for professional installation in residential, office, and light-commercial environments requiring robust in-building coverage. Delivering up to 72 dB system gain and coverage up to 20,000 sq ft, this amplifier ensures stable signal performance across all major U.S. and Canadian carriers.

Its high-linearity amplifiers and wide dynamic range maintain clear, interference-free communication even in fringe-signal areas. Automatic and manual gain controls allow precise optimization, while remote diagnostics and monitoring via the HiBoost Signal Supervisor platform simplify maintenance.

The CommLink 20K is fully compatible with 5G DSS, 4G LTE, and legacy standards, offering reliable voice and data performance for multi-user environments.

Key Features

- Performance
  - o Up to 72 dB system gain with high-power uplink for extended tower reach
  - o Full-band coverage: Bands 12/17, 13, 5, 25/2, 4
  - o Low noise figure (≤ 6 dB) and wide dynamic range for cleaner amplification
  - o AGC / MGC enable fine-tuned optimization
  - o Consistent throughput for simultaneous multi-user operation
- Reliability & Compliance
  - o FCC Part 20 / ISED certified — carrier-safe operation
  - o Integrated thermal protection, oscillation detection, and auto-shutdown safeguards
  - o 24/7 continuous duty design built for demanding installations
- Integration & Monitoring
  - o Signal Supervisor remote monitoring (iOS / Android / Web) with live diagnostics
  - o LCD touchscreen for local control and gain adjustment
  - o N-Type connectors, 50 Ω impedance — compatible with professional coax and accessories
  - o Compact, wall-mountable metal enclosure
- Deployment Versatility
  - o Supports panel, dome, and whip indoor antenna
  - o Ideal for large homes, offices, retail stores, and multi-level facilities
  - o Pairs with high-quality splitters, couplers, and low-loss coax assemblies for scalable systems

HiBOOST Boost Your Bars

Specification

Item	
Working Band	Band 12/17 / Band 13 / Band 5 / Band 25/2 / Band 4
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 / 2110-2115
Supported Standards	5G DSS, LTE, HSPA+, EVDO, WCDMA, GSM
Max Gain	72dB
Max Output Power	DL 15 dBm
MGC (Step Attenuation)	≥ 25 dB / 1 dB step
Noise Figure	≤ 6 dB typ.
I/O Port	N-Female
Impedance	50 ohm
Power Supply	Input AC 100-240V, 50/60 Hz, Output DC 12V/3A
Power Consumption	≤ 18 W
Environment	−25 °C to +55 °C (<85% RH)
Environment Conditions	IP40
Dimensions	9.3 x 6.9 x 2 in / 236 x 174 x 50 mm
Weight	≤ 3.09 lbs / 1.4 kg
Certification	FCC / ISED

Ordering Information

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Create a ticket or chat via SignalSupervisor app to find any help you need!