WilsonPro 4000R

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Enterprise Cellular Connectivity with New WilsonPro 4000R

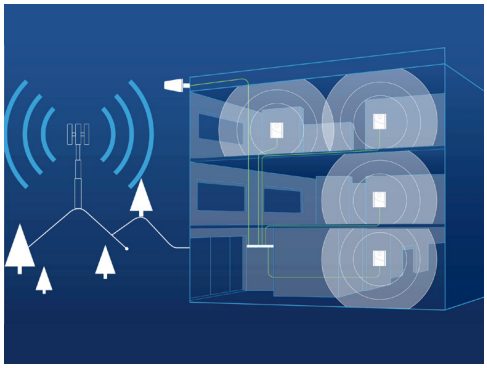
The WilsonPro 4000R is the first rack mounted, cell booster to incorporate four separate signal amplifiers feeding four indoor antennas. The 4000R literally delivers the power of four boosters in a single rack mount unit, and provides cell coverage for up to 100,000 square feet of indoor space, or even more depending on the strength of the incoming signal from the tower.

Designed to provide enhanced in-building cellular coverage for all commercial spaces, including hospitals, hotels, warehouses and offices, the WilsonPro 4000R amplifies weak cell signals to provide reliable voice and data coverage – including 4G – to inside spaces where signals may not penetrate. Adjustable uplink and downlink gain controls on each band make it easy to customize the cell phone booster for any specific signal environment.

Like all WilsonPro cellular signal boosters, the WilsonPro 4000R features cell site protections that auto-detect and prevent any cell tower interference. Wilson Electronics quality and an industry-leading three-year warranty make the 4000R a clear choice for the professional technology integrator.

The Right Antennas for The Right Applications

Because every job is a little different, WilsonPro has expanded its antenna offerings. Our newest antennas, the wideband Outdoor Omni Donor and the wideband Indoor Dome, receive and transmit signal in a 360° pattern and are compatible with the 698 – 2700 MHz frequency ranges.



https://cellphonesignalbooster.us/wilsonpro-4000r-signal-booster-professional

Key Features

- **Easy rack-mounted installation:** The 4000R is intended to fit into an existing server rack. This design allows for a neat and clean installation while leaving the unit easily accessible
- **Onboard Software for Better Control:** Each indoor antenna path is independently and automatically controlled with onboard software, ensuring great connectivity throughout large spaces and multi-story buildings. Since all ports are independently controlled, each can adjust its gain level up or down as required by the conditions of the immediate signal environment without disrupting coverage from any other antenna.
- **Extra Dynamic Range (XDR) for continuous connectivity:** Gives the 4000R much greater tolerance than any competing booster for a strong incoming signal from the tower. XDR lets the 4000R system work with an incoming signal up to 10 dB stronger than any competing booster can tolerate, before overloading and shutting down.
- **Color LCD for Easier Access:** Unlike other boosters, the Wilson 4000R has a color LCD screen with four-way navigation, allowing integrators to have easy and effective control of the product.

Competitive Advantages

- **Highest Downlink Power:** Up to +12dB more downlink power than the competition allows for stronger signal in environments where the incoming signal is weak,. The benefit is a stronger signal sent to the inside antennas, providing larger coverage area from a single booster.
- **Highest Uplink Power:** This allows for a stronger signal transmitted to the tower, up to +3dB more than the competition, providing greater user capacity and increased range from the cell site.
- **Lower Overload and Shutdown Threshold:** This allows the booster to work with a stronger incoming signal, up to +10dB stronger, before overloading and shutting down. This is a huge benefit in strong signal environments like cities and locations close to a carrier tower.
- **Intelligent Control:** WilsonPro cellular boosters automatically adjust signal gain while still providing even signal coverage throughout the building.
- **Sophisticated Software:** Cellular signals are constantly fluctuating. The software is always monitoring signal levels and making immediate adjustments as needed, allowing the booster to operate at maximum gain consistently.

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Signal Booster Specifications

	WilsonPro Precision 4000R™				
Product Number	U460031				
Model Number	460031				
FCC ID	PWO460031				
IC	4726A-460031				
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 746-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
	57.8	57.8	59.8	62.5	63.6
20 dB Bandwidth (MHz)	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700/2100MHz**	**1900MHz**
Typical	29.8	29.9	36.4	76.7	73.8
Maximum	35.2	35.2	37.4	79.2	74.4
Power output for single cell phone (Uplink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
	24.7	25.7	25.3	26.1	25.2
Power output for single cell phone (Downlink) dBm	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
	14.3	13.4	12.9	11.5	9.1
Power output for multiple received channels (Uplink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**1700MHz**	**1900MHz**
2	18.0	18.3	21.1	17.6	22.1
3	14.5	14.8	17.6	14.1	18.6
4	12.0	12.3	15.1	11.6	16.1
5	10.0	10.3	13.1	9.6	14.1
6	8.5	8.8	11.6	8.1	12.6
Power output for multiple received channels (Downlinklink) dBm					
No. Tones	**700MHz Band12/17**	**700MHz Band13**	**800MHz**	**2100MHz**	**1900MHz**
2	11.2	12.5	14.0	11.4	10.5
3	7.7	9.0	10.5	7.9	7.0
4	5.2	6.5	8.0	5.4	4.5
5	3.2	4.5	6.0	3.4	2.5
6	1.7	3.0	4.5	1.9	1.0
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	12V 3A				

About **WilsonPro**

Wilson Electronics, LLC, home of WilsonPro, weBoost, and zBoost, is a leader in wireless communications infrastructure, dedicated to delivering cellular connectivity to every corner of peoples' lives. The company has designed and manufactured cell phone signal boosters, antennas and related components for more than 20 years. Each booster is designed to significantly improve cellular coverage in homes, workplaces or vehicles. All Wilson Electronics products are designed, assembled and tested in the U.S.A. For more information, visit https://cellphonesignalbooster.us/wilsonpro-4000r-signal-booster-professional/

For more information, please call 1-800-501-3153 or visit https://cellphonesignalbooster.us