

Pro 4000

SKU: 460223

FEATURES

- Incorporates four independently controlled indoor antennas
- XDR technology: never shuts down, even with very strong outside cellular signals
- +12 dBm downlink power, per port, for highest available indoor coverage
- Self-optimizing design minimizes installation time
- Up to 100,000 sq. ft. coverage
- Full color display, indicating gain and power levels of each band, for easy antenna setup
- Compatible with all U.S. cellular networks



RACK MOUNT OPTION:



Pro 4000R
SKU: 460231

*⚠️ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Kit Includes



Pro 4000
Booster



Outside
Directional Antenna
(314411)



Inside Dome
Antenna
x4 (304412)



Lightning Surge
Protector
(859902)



2ft Low-Loss
Wilson400 Cable
(952302)



75ft Low-Loss
Wilson400 Cable
(952375)



100ft Low-Loss
Wilson400 Cable
x4 (952300)

About

The WilsonPro Pro 4000 passive distributed antenna system is a wall (or RACK with 460231) mounted, multi-amplifier cell booster to incorporate four separate signal amplifiers feeding multiple indoor antennas.

Designed to provide enhanced in-building cellular coverage for all commercial spaces, including hospitals, hotels, warehouses and offices, the WilsonPro Pro 4000 amplifies weak cell signals to provide reliable voice and data coverage—including 4G – to inside spaces where signals may not penetrate.

With new eXtended Dynamic Range (XDR) technology, the amplifier never shuts off due to a strong outside signal or changes in outside signal strength.

Like all WilsonPro cellular signal boosters, the WilsonPro Pro 4000 features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460223* • 460231*	
FREQUENCIES	Band 12	700 MHz
	Band 13	700 MHz
	Band 5	850 MHz
	Band 4	1700/2100 MHz
	Band 25/2	1900 MHz
MAX GAIN	70 dB	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
BOOSTER DIMENSIONS	3.75 x 11.5 x 18 in • 1.75 x 19 x 12.5	
BOOSTER WEIGHT	15.405 lbs • 5.45 lbs	

Detailed Specifications

	4000			4000R	
Model Number	460023			460231	
FCC ID	PWO460023			PWO460031	
Connectors	N-Female				
Antenna Impedance	50 Ohms\				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1990 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	700MHz Band12/17 57.8	700MHz Band13 57.8	800MHz 59.8	1700/2100MHz 62.5	1900MHz 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	25.5	24.8	25.8	25.2
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
	10.9	10.9	10.6	10.7	8.7
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 (Downlink) 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	110-240 V AC, 50-60 Hz, 30 W				

Each Signal Booster is individually tested and factory set to ensure FCC compliance. The Signal Booster cannot be adjusted without factory reprogramming or disabling the hardware. The Signal Booster will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the Signal Booster is not in use for five minutes, it will reduce gain until a signal is detected. If a detected signal is too high in a frequency band, or if the Signal Booster detects an oscillation, the Signal Booster will automatically turn the power off on that band. For a detected oscillation the Signal Booster will automatically resume normal operation after a minimum of 1 minute. After 5 (five) such automatic restarts, any problematic bands are permanently shut off until the Signal Booster has been manually restarted by momentarily removing power from the Signal Booster. Noise power, gain, and linearity are maintained by the Signal Booster's microprocessor.

The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power reduction is to be by means of input power or gain reduction and not by an attenuator at the output of the device.

Package Dimensions

460231 / 460223 - 19.5 L x 19.5 H x 28 W

28 in. x 19.5 in.	19.5 in. x 19.5 in.	28 in. x 19.5 in.	 460231 49.28 lbs. 460223 59.77 lbs.
FRONT	SIDE	TOP/BOTTOM	WEIGHT

MASTER CARTON: TBD

FOR PARTNER'S USE

Support



3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660
Monday to Saturday

UPC

