

Pro 1000R

SKU: 460237

FEATURES

- Industry-best +15 dBm maximum downlink power
- XDR technology: never shuts down, even with very strong outside cellular signals
- Full color display, indicating gain and power levels of each band, for easy antenna setup
- Compatible with all North America cell networks
- Integrated power supply



WALL MOUNT OPTION:



Pro 1000
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Kit Includes



About

The **WilsonPro Pro 1000R** passive distributed antenna system is the first rack mounted, cellular amplifier designed to provide enhanced in-building cellular coverage for all commercial spaces, including large homes, hospitals, hotels, warehouses and offices.

The WilsonPro Pro 1000R amplifies weak cellular signals to provide reliable voice and data coverage—including 4G – to inside spaces where signals may not penetrate and With new eXtended Dynamic Range (XDR) technology, the amplifier never shuts off due to a strong outside signal or changes in outside signals.

Like all WilsonPro cellular signal boosters, the WilsonPro Pro 1000R features cell site protections that auto-detect and prevent any cell tower interference.

Specifications

MODEL NUMBER	460237 • 460236	
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	1.75 x 19 x 12.5 • 3.75 x 11.5 x 18 in	
BOOSTER WEIGHT	5.45 lbs • 15.405 lbs	

Detailed Specifications

	1000R			1000	
Model Number	460237			460236	
FCC ID	PWO460037			PWO460036	
Connectors	N-Female				
Antenna Impedance	50 Ohms				
Frequency	698-716 MHz, 729-746 MHz, 746-756 MHz, 777-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
Passband Gain (nominal)	700MHz Band12/17 57.6	700MHz Band13 58.0	800MHz 59.2	1700/2100MHz 65.7	1900MHz 65.2
20 dB Bandwidth (MHz)	700MHz Band12/17	700MHz Band13	800MHz	1700/2100MHz	1900MHz
Typical	29.6	30.3	36.8	77.5	74.5
Maximum	35.4	35.4	37.8	81.0	75.1
Power output for single cell phone (Uplink) dBm	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
	25.3	25.8	24.7	26.2	25.3
Power output for single cell phone (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
	15.2	13.9	15.4	15.4	15.4
Power output for multiple received channels (Uplink) dBm	700MHz Band12/17	700MHz Band13	800MHz	1700MHz	1900MHz
No. Tones					
2	23.0	23.9	20.4	22.4	22.1
3	19.5	20.4	16.9	18.9	18.6
4	17.0	17.9	14.4	16.4	16.1
5	15.0	15.9	12.4	14.4	14.1
6	13.5	14.4	10.9	12.9	12.6
Power output for multiple received channels (Downlink) dBm	700MHz Band12/17	700MHz Band13	800MHz	2100MHz	1900MHz
No. Tones					
2	16.1	15.2	15.3	12.0	15.3
3	12.6	11.7	11.8	8.5	11.8
4	10.1	9.2	9.3	6.0	9.3
5	8.1	7.2	7.3	4.0	7.3
6	6.6	5.7	5.8	2.5	5.8
Noise Figure	5 dB nominal				
Isolation	> 90 dB				
Power Requirements	12V 3A				

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

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.

Support



3 Year Warranty from Purchase.



UPC

