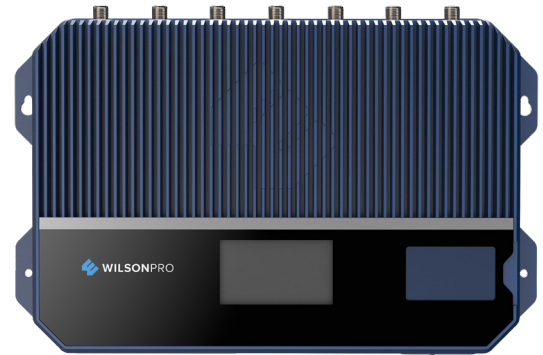


Enterprise 5143

SKU: 510007

FEATURES

- Three outdoor antenna ports to target multiple operator towers.
- Four independently controlled indoor antenna ports built in.
- Wired access to WilsonPro Cloud for remote monitoring.
- Real time performance, configuration changes, and direct monitoring.
- Up to 21 dBm in uplink power and 18 dBm in downlink power.
- XDR technology to virtually eliminate shutdown or signal loss.
- 4.3-inch LCD touchscreen for an enhanced user-experience.
- Concurrently enhances voice and data signals for all supported operators.



Box Includes



Enterprise 5143
Amplifier



AC Power
Cable

About

The WilsonPro **Enterprise 5143** is a commercial-grade, in-building cellular repeater that represents the latest in cell signal amplification technology—including a revolutionary industry-first, three outdoor-antenna-port configuration. Depending on cell tower locations, using up to three outdoor antennas (each dedicated to a specific frequency band to collectively amplify signals from multiple towers) helps maximize coverage in commercial spaces up to 8,000 m².*

Based on user need or preference, the Enterprise 5143 can also utilize “common mode” as a default; using only a single outdoor (donor) antenna and a single port to receive cell signal.

With wired access via LAN port, connected directly to the internet or via an external LTE modem, the Enterprise 5143 provides integrators and building managers with the capability to remotely manage, monitor, and adjust their amplifier with WilsonPro Cloud. This portal saves up to three months worth of performance data.

The Enterprise 5143 generates up to 21 dBm in uplink power—enabling it to reach towers at much greater distances. With up to 18 dBm in downlink power, it’s also one of the most powerful amplifiers in its price range. With all four indoor-antenna ports equipped with up to 18 dBm downlink power of their own, each of the Enterprise 5143’s four indoor antennas can effectively broadcast signal.

*Depending on outside signal conditions.

Specifications

SKU	510007	
FREQUENCIES	Band 1	2100 MHz
Provides wideband, in-building cell signal amplification for FDD LTE bands	Band 3	1800 MHz
	Band 7	2600 MHz
	Band 8	900 MHz
MAX GAIN	70 dB	
MAX UPLINK POWER	21 dBm	
MAX DOWNLINK POWER	18 dBm	
IMPEDANCE	50 Ohm	
POWER	110 - 240 V AC, 50 - 60 Hz, 30 W	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	19 x 12 x 2.5 in	
AMPLIFIER WEIGHT	16.930 lbs	

Detailed Specifications

ENTERPRISE 5143	
SKU	510007
Model Number	510007
Connectors	N-Connectors
Antenna Impedance	50 Ohms
Frequency	1920-1980 MHz, 2110-2170 MHz, 1710-1785 MHz, 1805-1880 MHz, 2500-2570 MHz, 2620-2690 MHz, 880-915 MHz, 925-960 MHz
Power output (Uplink – per band)	21.0 dBm
Power output (Downlink – per band)	18.0 dBm
Noise Figure	5 dB nominal
Isolation	> 90 dB
Power Requirements	110 - 240 V AC, 50 - 60 Hz, 30 W

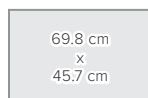
Each cellular repeater is individually tested and factory set to ensure ETSI compliance. The repeater cannot be adjusted without factory reprogramming or disabling the hardware. The repeater will amplify, but not alter incoming and outgoing signals in order to increase coverage of authorized frequency bands only. If the repeater 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 repeater detects an oscillation, the repeater will automatically turn the power off on that band. For a detected oscillation the repeater 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 repeater has been manually restarted by momentarily removing power from the repeater. Noise power, gain, and linearity are maintained by the repeater'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.

DESIGNED AND ASSEMBLED
IN THE USA

Package Dimensions

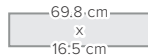
69.8 L x 45.7 H x 16.5 W



FRONT



SIDE



TOP/BOTTOM



WEIGHT

MASTER CARTON: None

Support



3 Year Warranty from Purchase

Website: www.wilsonelectronics.com/asiapacific

Email: apsupport@wilsonelectronics.com

FOR PARTNER'S USE

UPC

