

IoT MIMO 2x2

SKU: 462079

FEATURES

- Designed to link with a data modem as a direct-connect amplifier in 2x2 MIMO configuration for higher data throughput.
- Configurable to almost any Internet of Things (IoT) installation.
- Pre-approved by all major cell carriers under FCC “part 20” rules.
- Power over Coax: Amplifier and antenna can be positioned for maximum performance.
- Passive RF bypass failover** keeps modem going if power is lost.
- Auto-power control to help ensure maximum signal output.



Kits Include



IoT 3.0 2x2 Amplifiers
(460079) & Wall Mount
Bracket



(2) External
Hinged Antennas
(ANT000058)



(2) Power Over Coax Units
(ACC000084) & Bracket



20' Conjoined N to N Cable &
(2) 1' SMA to SMA Cables
(CBL000144, CBL000141)



Dual Connector
12V AC/DC Power
(PWR000050)

About

The WilsonPro **IoT MIMO 2x2** is a Direct Connect solution for amplifying cellular network equipment with MIMO (multiple input/multiple output) capability, such as a cellular “hotspot” (ex. ‘Cradlepoint’ Device or similar), and other high data-rate applications. IoT MIMO is “carrier agnostic” and pre-approved by all major cellular carriers under FCC “part 20” rules. No additional carrier or FCC approvals are required.

Dual amplification paths and included MIMO antennas are ideal for achieving maximum available data-rates from your MIMO capable cellular devices.

The IoT MIMO’s compact form factor is ideal for custom-designed IoT communication systems built within tightly constrained spaces. FCC certified, the IoT MIMO allows OEMs to source a compact, powerful, and highly compatible cell signal amplifier that comes ready to deploy. In locations where cellular connectivity is adversely affected by distance to cell towers, terrain obstructions, or building materials (like concrete and steel), the IoT MIMO is a proven go-to solution.

Specifications

MODEL NUMBER	462079 [†]	
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	15 dB	
MAX UPLINK POWER	24 dBm	
MAX DOWNLINK POWER	-5 dBm	
IMPEDANCE	50 Ohm	
AMPLIFIER INPUT POWER	12V DC / 2A	
CONNECTORS	N-Female	
AMPLIFIER DIMENSIONS	5.4 x 4.2 x 1.4 in	
AMPLIFIER WEIGHT	1.58 lbs	

[†]**WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Detailed Specifications

MODEL NUMBER	462079				
FCC ID	PWO079				
IC ID	4726A-079				
CONNECTORS	N-Connectors				
ANTENNA IMPEDANCE	50 Ohms				
FREQUENCY	698-716 MHz, 746-787 MHz, 824-894 MHz, 1850-1995 MHz, 1710-1755/2110-2155 MHz				
POWER OUTPUT (Uplink) dBm	700 MHz Band 12/17	700 MHz Band 13	800 MHz Band 5	1700 MHz Band 4	1900 MHz Band 25/2
	24.7	24.9	24.1	25.6	25.0
POWER OUTPUT (Downlink) dBm	700 MHz Band 12/17	700 MHz Band 13	800 MHz Band 5	1700 MHz Band 4	1900 MHz Band 25/2
	-6.3	-6.5	-6.5	-7.7	-5.8
NOISE FIGURE	5 dB Nominal				
ISOLATION	>40 dB				
POWER REQUIREMENTS	12VDC-2A				

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.

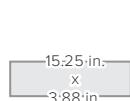
The Manufacturer's rated output power of this equipment is for single carrier operation. For situations when multiple carrier signals are present, the rating would have to be reduced by 3.5 dB, especially where the output signal is re-radiated and can cause interference to adjacent band users. This power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

ASSEMBLED IN THE USA



Package Dimensions

15.25 L x 10.88 W x 3.88 H



FRONT / SIDE

TOP/BOTTOM

WEIGHT

Support



3 Year Warranty from Purchase

Website: www.wilsonpro.com/support

Phone: +1 866 294 1660

Monday to Saturday

FOR PARTNER'S USE

UPC

462079

