

OUTDOOR WIFI SIGNAL BOOSTER

CLEAR-WAV™ ADVANTAGE

X-WAV™

SHOCK-WAV™

PRO-WAV™



Luxul's family of Shock-WAV™ WiFi Signal Boosters feature patented RF technology that dynamically optimizes output strength and provides the cleanest, most consistent signal amplification available for Wi-Fi networks. Designed for bi-directional amplification, Shock-WAV™ WiFi Signal Boosters dynamically adjust to the incoming transmit signal to normalize output power. Shock-WAV™ WiFi Signal Boosters utilize digital Automatic Gain Control (AGC) technology that monitors the incoming signal and makes adjustments so that the output signal maintains constant power levels. Traditional analog amplifiers are fixed gain amplifiers, which when provided with excess input signal cause the amplifier to go into saturation which decreases signal quality. In contrast, the Shock-WAV™ digital WiFi Signal Booster technology actively monitors the incoming signal from each packet, and makes adjustments so that the output signal maintains constant power levels and ensuring the cleanest RF signal possible.

Shock-WAV™ WiFi Signal Boosters implement Power-Over-Ethernet (POE) capability for flexibility in installation location. POE allows for up to 100 meters (328 feet) of distance between the WiFi Signal Booster and the power source and also enables the ability to provide remote power to other devices.

Results may vary depending on building layout, type of construction and other environmental factors including WiFi traffic, Microwaves etc..

FCC NOTICE: The use of all radio equipment is subject to regulations in each country. To comply with FCC part 15 rules in the United States, radio equipment must only be used in systems that have been FCC certified. It is the responsibility of the user/professional installer/operator to ensure that only approved equipment/systems are deployed.

OUTDOOR WIFI SIGNAL BOOSTER SPECIFICATIONS

	1 WATT	500 MW	250 MW
Operating Range	2400 - 2500 MHz	2400 - 2500 MHz	2400 - 2500 MHz
Power Output	1 Watt	500 mW	250 mW
Transmit Power	1 Watt (30dBm) Peak	500 mWatt (27dBm) Peak	250 mWatt (24dBm) Peak
Transmit Gain	20dB Typical (under AGC Control)	20dB Typical (under AGC Control)	20dB Typical (under AGC Control)
Receive Gain	15dB Typical	15dB Typical	15dB Typical
TX Input Power	+10dBm to +24dBm	+10dBm to +24dBm	+10dBm to +24dBm
Noise Figure	4dB Typical	4dB Typical	4dB Typical
LED Indicators TX\RX	Red for Transmit, Green for Receive	Red for Transmit, Green for Receive	Red for Transmit, Green for Receive
Power Consumption	400mW (RX) 5W (TX)	400mW (RX) 5W (TX)	400mW (RX) 5W (TX)
Power Options	Power Over Ethernet (POE), Direct DC	Power Over Ethernet (POE), Direct DC	Power Over Ethernet (POE), Direct DC
Power Requirements	12 to 48VDC	12 to 48VDC	12 to 48VDC
Operating Temp	-40F to +150F	-40F to +150F	-40F to +150F
Dimensions	1.13" (28.7mm H) x 5.16" (131mm L) x 4" (101.6mm W)	1.13" (28.7mm H) x 5.16" (131mm L) x 4" (101.6mm W)	1.13" (28.7mm H) x 5.16" (131mm L) x 4" (101.6mm W)
Enclosure	Outdoor	Outdoor	Outdoor
RF Connectors	Two (2) Type N Female	Two (2) Type N Female	Two (2) Type N Female
Weight	0.8lbs Typical	0.8lbs Typical	0.8lbs Typical

OUTDOOR INJECTOR SPECIFICATIONS

	1 WATT
Power Options	Power Over Ethernet, Direct DC
Power Requirements	12 to 48VDC
LED Indicators	Green for Power
Dimensions	1.13" (28.7mm H) x 4.72" (120mm L) x 3.4" (86.3mm W)
Enclosure	Outdoor, Machined Aluminum
Connector	Two (2) Type N Female
Weight	0.6lbs Typical

PRODUCT SHIPS WITH:

- WiFi Signal Booster
- Outdoor injector
- 48VDC Power Supply
- Installation Manual

SUGGESTED ACCESSORIES:

- X-WAV™ 5T Directional Antenna - ANT-24-10
- X-WAV™ Flat Panel Antenna - FP-24-XX
- 78" LMR400 Cable (NFemale to RPTNC Male) - CAB-LMR-400-78
- Lightning Protector - LP-350V