



Frequency Freedom

Think Outside the Band

NL-3500 SU

With 23dBi Patch Antenna Solution Package Features

This All-in-One NL-3500SU / 23dBi Patch Antenna Integrated solution includes: 3.5 GHz high-power 802.11 radio & antenna integrated mounting hardware, power-over-ethernet interface and power supply.

Azimuth Radiation Pattern



Elevation Radiation Pattern



the NL-3500 SU can serve as a powerful and economical choice for 3.5 GHz licensed wireless systems. It offers full compatibility with the Atheros Linux MadWifi driver and supports powerful software features.

Antenna Specification

Frequency Range:	3.400-3.7GHz
Gain:	20 dBi
Polarization:	Vert/Hori.
AZ/EL Beamwidth:	9°
Front to Back Ratio:	> 30dB
VSWR 50 Ohm:	< 1.7
Wind Load:	220 km/h
Size:	12" x 12" x 2"
Combined Weight:	11 lbs (with radio)
Connector:	Outdoor RJ-45 (All-Weather)
Mounting Kit/Style:	Included: Pole Mount
Operating Temperature:	-45°C to 70°C
Material:	ABS
Additional Features:	High Gain

Radio Specification

Standard Compliance:	802.11 Based MAC/PHY
Modulation:	OFDM
Frequency Band:	3.400-3.7GHz
Data Rate: (Mbps)	54, 48, 36, 24, 18, 12, and 6 Mbps
Output Power: (300mW)	25dBm (+/-1dB) @ 6/9/12/18/24 Mbps
Receive Sensitivity:	-92 dBm ≤ 6 Mbps / -73 dBm ≤ 54 Mbps
Data Security:	WPA, WPA2, AES-CCM & TKIP Encryption, 802.1x, 64/128/152bit WEP
Signal Indicator:	5MHz / 10MHz / 20MHz / 40MHz
DC Power Input:	24 - 48VDC Adapter, PoE IEEE 802.3af compliant
Operating Environment:	-40°C to + 70°C

WimaxNear is a professional RF/Microwave equipments provider. We develop and manufacture all kind of microwave transmitters, receivers, and transceivers. The operating frequency ranges from 2GHz to 5GHz. Main applications are for Wireless Internet, Satellite Communication, point-to-point radio, point-to-multipoint radio, Wireless audio/video and military use. Our main products are: WLAN outdoor solution , Wireless Mini PCI , Routerboard & etc.