



NanoLink 2350 5G Sub-6GHz Integrated Indoor Small Cell

NL 2350

OVERVIEW

NanoLink 2350, an indoor Integrated Small Cell (ISC) Sub-6GHz 5G base station, stands out for its powerful features. With support for FDD or TDD dual carrier, high output power, and carrier aggregation, the NL-2350 is the optimal choice for mobile operators or private 5G networks seeking to improve indoor coverage and capacity.

NL 2350 includes built-in secure encrypted tunneling features. It enables automatic connection to the centralized or cloud-hosted core.

This radio unit features Self-Organizing Networking (SON) capabilities that includes handoff, and traffic offloading from existing macro base stations. Its zero-touch deployment for 5G networks reduces installation complexity for mobile operators.



Features

- 3GPP 5G-NR Rel-15 Standard.
- TDD Bandwidth 100 MHz
- Modulation: UL, DL 256QAM
- Radio Conformance: 3GPP TS 38.104, 3GPP TS 38.141-1
- Maximum 32 VoNR users, 64 active users and 128 connected users
- Two 1 Gbps Ethernet: for backhaul
- SFP for optical backhaul
- Plug-and-play with SON features, including self-configuration, self- optimization, self-healing
- GPS 1-PPS output for time, frequency sync
- Built-in IPsec tunnelling support
- TR069 Network management support
- High-performance integrated antennas



Specifications

Category	Description
Standards	3GPP 5G-NR Rel-15 Standard
Duplex mode	TDD
Frequency band	n78: 3,300MHz~3,600MHz, 3,550MHz~3,800MHz n79: 4,800MHz~4,900MHz, 4,600MHz~4,900MHz n48: 3,550MHz~3,700MHz
Bandwidth	100MHz
Capacity	MIMO: 2T2R
Max. transmit power	250mW (24dBm) per channel
Antenna	Built-in antenna
Channel raster	30KHz
Network Interface	1 GB ethernet and SFP port
Management	RJ-45 Console port, TR-069 NMS feature
Synchronization	1588v2/ SyncE, NTP

Miscellaneous

Category	Item	Specification
GPS	GPS	1-PPS output for time, frequency
	Connector	RJ4
	GPS Antenna interface	RGP
Power	Power Supply Type	AC or DC
	External Power	AC/DC Power
PoE	PoE	PoE+
Reset	Soft reset or Factory	Reset and Factory
Ethernet	Number Ethernet	RJ-45 x 2 <ul style="list-style-type: none"> • 1 Gbps NBase-T Ethernet: for backhaul • 1 Gbps Ethernet: LMT SFP x 1 (1 Gbps, for optical)
	Supported	802.
LED	LED	5G Service Backhaul Link Power Sync Status Alarm

For details, please contact sales@nybsys.com