

LNK-LU350-23

RADIOLINKS 180 or 300 Mbps 5 GHz BAND

- High throughput: 300 Mbps
- Selectable channel bandwidth
- Accurate latency control
- OFDM with adaptive modulation
- True-TDMA technology
- Full-outdoor IP67 and energy-efficient
- Integrated 23dBi antenna



PRODUCT OVERVIEW

LNK-LU350-23 is Albentia System's professional PtP radiolink in the 5GHz band.

This equipment offers a **net capacity of 180Mbps** and **gross capacity of 300Mbps**, allowing for a more efficient use of the spectrum and frequency reuse.

LNK-LU350-23 has **automatic power control (ATPC)** allowing optimal network deployment , frequency reuse and avoid interference. This new solution incorporates powerful mechanisms to ensure reliable communication. It also includes authentication ARQ, AES128 encryption and robust adaptive modulation, and error detection mechanism.

Its high processing speed makes it a **optimal solution for professional applications** in time real, like VoIP or video transport.

APPLICATIONS

- Wireless bridges
- Backhaul systems for cellular networks or access networks
- Radiolinks for corporate access
- Radiolinks for professional video transmission
- Professional applications



Specifications

RADIO PARAMETERS

Frequency band	5150-5915 MHz
Modulation	OFDM, MIMO 2x2 IEEE 802.11n
Channel bandwidth	40 / 20 MHz
Adaptive modulation	BPSK, QPSK, 16QAM and 64QAM
FEC	Reed-Solomon and convolutional
Duplexing technique	TDD (Time Domain Duplexing)
Uplink/downlink allocation	Dynamic
Antenna	23dBi
Sensitivity	-94 dBm / -72 dBm
E.I.R.P	5150 - 5250 MHz 23dBm 5250 - 5350 MHz 30dBm 5470 - 5725 MHz 30dBm 5725 - 5850 MHz 36dBm

TRAFFIC AND THROUGHPUT

Maximum over-the-air rate	300 Mbps
Net Ethernet traffic	180 Mbps
Maximum PPS	60000
ARQ support	Yes.
Encryption	AES128

MANAGEMENT

Management interface	HTTP / HTTPS / SSH / SFTP SNMP v1/2/3
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NETWORKING

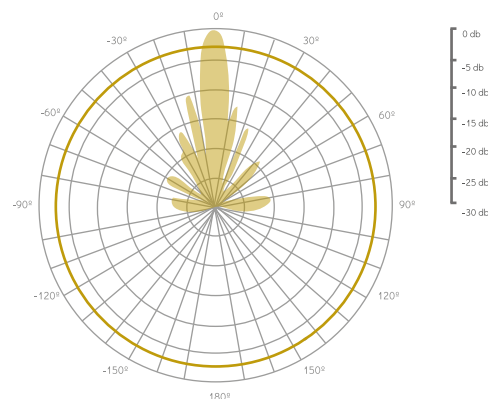
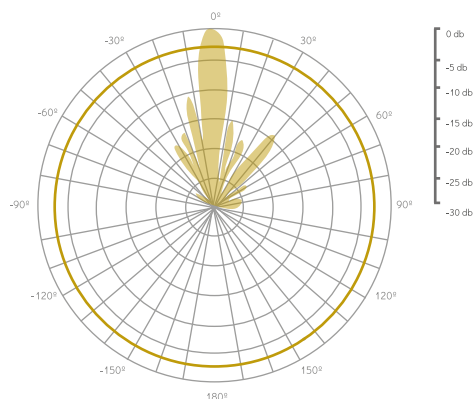
Layer 2 functionality	Bridging (802.1), VLAN (802.1q), ISL, MPLS
Layer 3 functionality	N/A
Data interface	10/100 Base-T

PHYSICAL FEATURES

Dimensions	360 x 350 x 110 mm (packed)
Weight	3 kg (mounting kit included)
PoE supply (not included)	100-240 VAC 50/60 Hz input 56 VDC output (Optional DC input 10-30 or 36-72 DCV)
Power consumption	< 10 W (100% traffic)

STANDARDS

Protocol	Proprietary
Radio	ETSI EN 301 893 V1.5.1 (5GHz), ETSI EN 302 502 V1.2.1 (5.8GHz), ETSI EN 302 326-2
Environment	ODU: protection (IP67), ETSI EN 60950-1: 2006 (security). IDU: IEC 61000-4-2 (ESD), IEC 61000-4-5 (Surge)
EMC	ETSI EN 301489-1 V1.8.1 (electromagnetic compatibility), ETSI EN 50383 (2002) (SAR), ETSI EN 50385 (EMF)



All Alpentia Systems products are designed and manufactured in the EU

PRODUCT DATASHEET LNK-LU350-23



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