



Wireless Carrier Class Solutions

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MikroTik

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Power Link Super Backhaul Series PLINK-B PLINK-X PLINK-16M



300Mbps BACKHAUL

PL-SERIES is the ideal outdoor wireless backhaul solution for ISP service companies, and corporate branches. Designed from the beginning to give carrier class type services, PL-SERIES can do long distance links in the toughest environments with outstanding stability.

Equipped with one Ethernet port, the PL-SERIES can connect to a hub or to a switch or an access Point without the need to install a router. This represents significant savings on hardware costs.

The PL-SERIES uses MIMO technology operating in the 5.1, 5.3, 5.8 GHz license free bands. Because MIMO can take advantage of reflected RF signals, it is now possible to connect locations you may have thought were inaccessible due to line of sight barriers.

Most features of the PL-SERIES are pre-configured and automatically adapt to the environment, making configuration and use very simple.

Hardware Highlights

- 700 MHz /128M RAM
- 800 MHz/256MRAM: PLINK-X
- Engineered for reliability even in the hottest regions of the world
- Die Cast ruggedized

Software Highlights

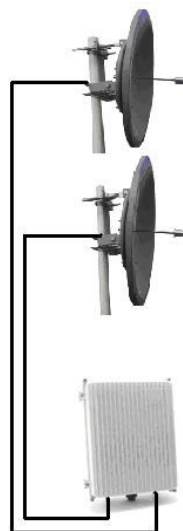
- Transparent MAC Layer operation
- Learning bridge that supports forwarding and filtering
- AES Encryption
- IP Routing
- Spanning Tree Protocol
- Long Distance throughput
- Firewall

Main Radio Features

- Wide Band 5.1-5.3-5.8 GHz support
- Radio link and antenna alignment diagnostics
- AES encryption standard
- Operating range up to 40 miles.
- High Power: 27 dBm
- Dual Antenna links
- 100 Mbps: PLINK-B, PLINK-16M
- 300 Mbps: PLINK-X
- **Embedded Full Duplex 16 dBI Panel: PLINK-16M**

Main Ethernet Features:

- Gigabit Ethernet: PLINK-X
- 10/100: PLINK-B & PLINK-16M
- Power over Ethernet



PL Series



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PL-Series Specification

Software Features

- Bridge Mode Operation
- Router Mode Operation
- Firewall
- Security: 802.11i with AES-CCM & TKIP Encryption, 802.1x, 64/128/152 bit WEP
- Port forwarding of external traffic to computers behind NAT inside the LAN
- UPnP for dynamically configured port forwarding
- Static DHCP leases
- Extensive firewall and router configuration
- QoS for applications such as VoIP, online gaming, and streaming media
- Command line access via SSH or telnet

Radio Features

- Wireless Chipset Atheros AR9220 with FDS SUPPORT
- Radio Operation IEEE 802.11 a/g/n
- MIMO Technology
- Data Rates: Legacy 802.11a/b/g (1-54 Mbps), 802.11n (up to 200 Mbps)
- RoHS Compliance: YES

Power and Sensitivity Chart:

11a					
TX POWER SPECIFICATIONS (combined)			RX SPECIFICATION		
Data Rate	Tx Power	Tolerance	Data Rate	Sensitivity	Tolerance
1-24Mbps	25 dBm	+/-2dB	1-24Mbps	-97 dBm	+/-3dB
36Mbps	24 dBm	+/-2dB	36Mbps	-90 dBm	+/-3dB
48Mbps	22 dBm	+/-2dB	48Mbps	-86 dBm	+/-3dB
54Mbps	21 dBm	+/-2dB	54Mbps	-84 dBm	+/-3dB

5GHz 11n HT20					
TX POWER SPECIFICATIONS (combined)			RX SPECIFICATION		
Data Rate	Tx Power	Tolerance	Data Rate	Sensitivity	Tolerance
MCS0	25 dBm	+/-2dB	MCS0	-97 dBm	+/-3dB
MCS1	25 dBm	+/-2dB	MCS1	-96 dBm	+/-3dB
MCS2	25 dBm	+/-2dB	MCS2	-93 dBm	+/-3dB
MCS3	24 dBm	+/-2dB	MCS3	-91 dBm	+/-3dB
MCS4	23 dBm	+/-2dB	MCS4	-87 dBm	+/-3dB
MCS5	22 dBm	+/-2dB	MCS5	-84 dBm	+/-3dB
MCS6	21 dBm	+/-2dB	MCS6	-78 dBm	+/-3dB
MCS7	19 dBm	+/-2dB	MCS7	-75 dBm	+/-3dB
MCS8	25 dBm	+/-2dB	MCS8	-98 dBm	+/-3dB
MCS9	25 dBm	+/-2dB	MCS9	-97 dBm	+/-3dB
MCS10	25 dBm	+/-2dB	MCS10	-94 dBm	+/-3dB
MCS11	24 dBm	+/-2dB	MCS11	-92 dBm	+/-3dB
MCS12	23 dBm	+/-2dB	MCS12	-88 dBm	+/-3dB
MCS13	22 dBm	+/-2dB	MCS13	-85 dBm	+/-3dB
MCS14	21 dBm	+/-2dB	MCS14	-79 dBm	+/-3dB
MCS15	19 dBm	+/-2dB	MCS15	-76 dBm	+/-3dB

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Hardware Features

- PoE 802.3af 48V compatible
- 1 Gigabit Ethernet Port :PLINK-X
- 800MHz-26MB RAM : PLINK-X
- 700MHz-128RAM:PLINK-B, PLINK 16M
- 16MB Flash
- USB 2.0
- Rugged Die Cast Enclosure
- Operation Temperature Range: -40C to +85C
- Robust ESD/Surge Protection for Industrial Applications
- Dimensions (RF unit) 9" x 7" x 3.5" (25.9 cm x 25.9 cm x 7.9 cm)
- Weight (per RF unit) 3.5 lbs.
- Shipping weight (complete package) Approx. 26 lbs. (standard package)
- Humidity 0% to 100% (Non-immersion rain)
- Wall wart power supply included Yes, 110/240 VAC
- Power design: 24 V Carrier Class Power over Ethernet- Power required (at radio) +12 to +18 VDC (from included power supply)
- Wired Network Interface (at PoE injector) RJ-45 107100/1000Base-TX
- Certification: Part 15 FCC
- Warranty 1 year depot

More Information: info@wi-corp.com www.wi-corp.com

PL Series