



PTP-5/23 LD 4.0 ~5.8 GHZ P2P IP Data Backhaul With Integrated 23dbi Dual Pole Flat Panel Antenna

LONG DISTANCE BACKHAUL

Unlicensed spectrum, 802.11a/n
Dual Chain MIMO Operation
Low power consumption 14w,
POE, 120/240 VAC 50/60 Hz 24V
DC Power supply Included.
IP 67 Outdoor Compliant
Single Cable CAT5 Installation
Optional Access Point 2.4GHz
Low Cost High Quality Solution
-25 ~ +65C Operation

ROUTER OS SOFTWARE

Level 4 OS Router Software
Lifetime User License
Free Software Updates
Stateful Firewall and NAT
WEP2 Encryption Included
PTP and AP Included
DHCP or Static IP Operation

SIMPLE SYSTEM SET- UP

Simple Point and Connect Setup
Standard 23dbi Flat Panel Hi Gain
Antenna with H/V Polarization
Light Weight and Rugged
Can be used Indoor or Outdoor
CAT 5e Input and Output
12 Month Warrantee with Extended
24 ~ 36 month Warrantee Available



RSI PTP-5/23 LINK

Radio Systems International is pleased to introduce its RSI PTP WIFI series long distance Micro Wave radio product. Our RSI PTP series solid state transceivers are designed to provide high reliability with ease of operation and superior value. The basic RSI PTP 5 is a stand-alone radio transmitter/receiver/router and can work independently as a point to point link allowing data rates of up to 180 mbps (90 mbps bi-directional)

This product is Ideal for creating a stand- alone PTP data backbone, VPN or extending high speed IP connectivity to multiple remote locations . The integrated wireless card is capable of up to 1000mW output power and has a built in 16kV ESD protection on both the Ethernet and the MMCX ports. Operating temperature range is from -25 to +65 C .

TYPICAL APPLICATIONS

- Wirelessly provide High speed IP access or VPN Expansion to Remote sites up to 50km apart with no copper or fiber assets. Units may be Daisy Chained for greater distances. Usable distance depends on transmit and receive antenna height
- Remote wireless monitoring and control of plant entrance gates including HD Video over IP , duplex intercom for remote talk-back and gate / door access control.
- Voice over IP (VoIP) capabilities adding multiple telephone sites to a remote Oilfield or ranch offices that are out of cellular contact.
- Low Cost Hi Speed data transmission between offices without monthly fees or provider throttling of data rates. Maximum combined data rates of up to 280 mbps is possible depending on transmission protocol and

The RSI PTP5 operates on 24VDC and requires 14watts maximum power. The PTP-5 can easily be powered from alternative energy sources such as solar or wind power and incorporates state-of-the art digital control circuitry for simple operator setup with excellent operational stability over time and extreme temperature variations. Extensive self-check logic functions, local-remote management are included as standard features.

The RSI-PTP 5 is a very versatile wireless device. It includes a small wireless router with an integrated high power 5 GHZ wireless card and an additional miniPCle slot for the optional add-on of one 2.4GHz 802.11 wireless, or 3G card for use as an Access Point configuration, A Gigabit Ethernet port helps to utilize the full potential of up to 802.11a/n wireless speeds.

PTP-5/23 Features and Benefits

QUALITY OF SERVICE (QOS)

- HTB classful queue with burst feature
- Per client queue
- Aggregate traffic limitation
- P2P system limitation (Kazaa, Direct Connect and other protocols)
- HTTP and DNS caching proxy
- High availability with VRRP protocol

DATA PROTECTION

- Stateful firewall and NAT
- Easy DMZ deployment
- IPsec, VPN tunneling (PPTP, L2TP, EoIP, IP/IP), VLAN and PPPoE
- Transparent security: multiple STP bridges with packet filtering

WIRELESS FUNCTIONALITY

- Wireless Access Points and Clients 802.11a/b/g/n
- WDS and Virtual AP features
- telnet/mac-telnet/ssh/console admin
- Nv2 wireless TDMA support
- Nstreme wireless protocol
- 3G/LTE support
- WPA2 full support
- OpenFlow support
- Access control lists and RADIUS authentication

MANAGEMENT

- Powerful command line integration for real-time configuration
- WinBox GUI and Web admin
- Software upgrading with FTP
- Scripting
- SNMP protocol



RSI PTP-5/23 PERFORMANCE

TX/RX at MCS0 30dBm / -96dBm
 TX/RX at MCS7 24dBm / -78dBm
 TX/RX at 6Mbit 30dBm / -96dBm
 TX/RX at 54Mbit 27dBm / -80dBm
 Frequency range 4900-5920MHz

Model RSI PTP-5/23 with 23dbi Dual Pol Antenna Features:

1 Ethernet, 1 miniPCIe, USB, Additional memory, Gigabit, 1000mw High power, Dual chain CPU Atheros AR9342 600MHz network processor Memory 64MB DDR2 onboard memory Data storage onboard NAND memory chip Ethernet One Gigabit port with Auto-MDI/X Wireless Built in 5GHz 802.11a/n, 2x MMCX connectors Extras reset, beeper, signal and status LEDs, SIM slot (requires 3g miniPCIe card) Expansion miniPCIe slot for 802.11 or 3G (using 3G disables the USB port), USB 2.0 port Power options PoE: 8-30V DC on Ether1 (Non 802.3af). Max consumption 14W OS RouterOS, Level4 license (supports wireless AP-mode)

AVAILABLE OPTIONS

1 - 2 GHz 802.11b/g/n, with 2 x "N" connectors
 2 x "N" Connectors for remote Antenna use.
 Stand alone antennas, Directional, Sector or Omni

System Requirements

- Power Requirements 120~240 VAC @ 2A for POE Power Supply. Radios require 14Watts @ 24 VDC.
- Mounting position for maximum distance of at least 10m high. Mounting location must be capable of supporting Antenna/Radio weight of 3.2kg Pole or Wall Mount.
- CAT 5e cable as required. POE Injector located within 15m of antenna location for 24VDC power injection.
- Antenna mounting bracket and mounting pole **must be earth grounded** for lightning protection.
- Solar power available as an option. 24,36,48 VDC

SERVICES AVAILABLE

- System Design
- Technical Support
- Installation and Setup
- Maintenance
- Application Support
- Hardware Support
- Guaranteed Warranty