

AIRNET 54Mb 4.9/5GHz Bridge Point to Point kit



The Airnet 54Mb 4.9/5GHz Bridge point to point Kit is a high performance wireless Ethernet bridge system which creates a transparent wireless bridge between two networks. The bridge is transparent in that the LAN's appear to be connected together as though through a hardwired Ethernet connection. The bridge supports multiple MAC addresses and DHCP.

The Airnet 54Mb 4.9/5GHz Bridge point to point Kit comes fully configured as a bridge pair for true plug and play operation. No initial setup is necessary to create a working bridge connection between two Wireless or Wired LANs. 128Bit WEP security is configured and enabled for secure plug and play operation without the need for complicated setups. Full local or wireless remote configuration management is available thru an HTML Web Interface in order for the authorized user to be able to change passwords, encryption keys, output power, IP Address or various other settings. The unit can also be reconfigured as a high performance client bridge or router.

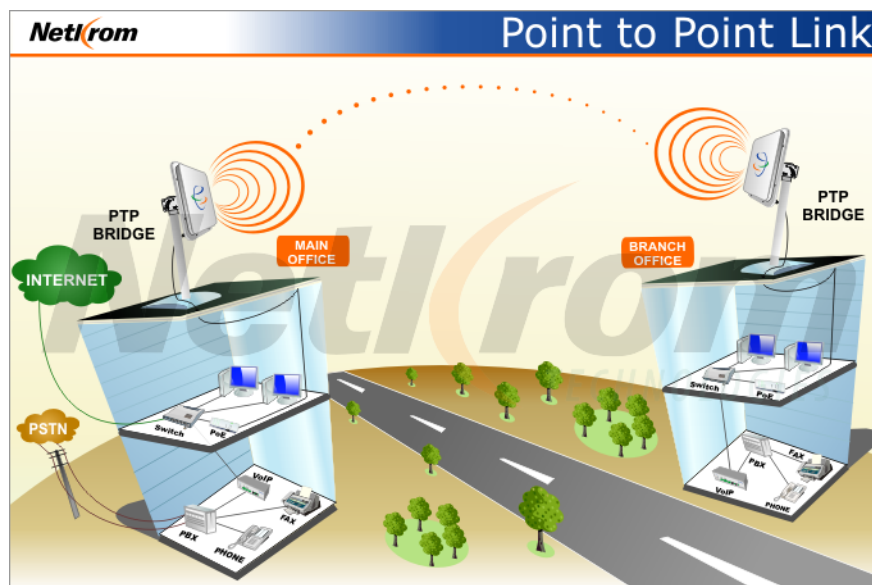
The Airnet 54Mb 4.9/5GHz Bridge PTP kit includes everything that is needed to connect two wired or wireless LAN's over a distance from 0 to 15 miles (0 to 24Km). Included in the Airnet 54Mb 4.9/5GHz Bridge point to point Kit are (QTY 2) Airnet 54Mb 4.9/5GHz Bridge - Integrated Antenna, (QTY 2) Wall / Pole Mounting system, (QTY 2) 75' Outdoor Rated CAT5e shielded cables and (QTY 2) 802.3af Power over Ethernet system.

Features:

- ✦ Outdoor and Waterproof Design
- ✦ Plug and Play – No complicated setup required
- ✦ 0 to 15 miles (0 to 24Km) Line of Sight Range
- ✦ 20Mb/Sec Real Throughput
- ✦ Multi SSID (up to 16 Virtual APs)
- ✦ Transparent Ethernet Bridge – Multiple MAC Support
- ✦ Full Power over Ethernet Support
- ✦ Outdoor Cat5e shielded Cables and Universal Mount for Wall or Pole
- ✦ Remote Management and Update Capable

Applications:

- ✦ Long range Backhaul
- ✦ Internet Access Sharing
- ✦ Connect Multiple Buildings
- ✦ Create a Mini Mesh Network
- ✦ Extend your Wireless or Wired LAN
- ✦ VoIP over Wireless Systems
- ✦ Remote Video and Media Servers





Specifications:

Model	AIR-PTP5000S	AIR-PTP5000L
Ethernet Port	10/100Base-TX (RJ-45)	
Operating Frequency / Channel	4940 ~ 4990MHz (Public Safety Band) 5.15~5.35 & 5.725~5.850 GHz (FCC - US) 5.15~5.35GHz & 5.47~5.725GHz (ETSI - EU) 5.15~5.25GHz (TELEC - JAPAN) -Programmable for different country regulations.	
RF Modulation	802.11a: OFDM (BPSK, QPSK, 16- QAM, 64-QAM)	
Channel Width	20MHz -Available at 5, 10 and 20 MHz with a Firmware Upgrade.	
Adjustable RF Output Power	From 4.9 to 5.8GHz: 23dBm at Radio (Adjustable RF Output Power), up to 43dBm at EIRP	From 4.9 to 5.8GHz: 26dBm at Radio (Adjustable RF Output Power), up to 49dBm at EIRP
Sensitivity	-90dBm@6Mb -70dBm@54Mb at Radio	
Data Rate	54, 48, 36, 24, 18, 12, 11, 5.5, 2, 1Mbps	
RF Operation Mode	Access Point, Client Mode Wireless Routing Client, Gateway, Wireless Adapter, Transparent Client, Repeater	
Range	10 miles (16 Km)	15 miles (24 Km)
Data Security	WEP 64/128/152 - bit Mac Address Filtering IEEE 802.1x—TLS, TTLS, PEAP WPA-PSK and WPA-EAP, WPA2 (with AES encryption technique)	
Network Advanced Features	IP Routing - static Routing, NAT and Port Forwarding (Wireless Routing Client and Gateway mode only) WDS - Wireless Distribution System PPPoE Client (Wireless Routing Client and Gateway mode only) PPTP for VPNs Network 802.1d Spanning Tree Protocol SNMP support DHCP Server and Client Bandwidth Control Pseudo VLAN technology Proprietary Long Distance Algorithm for ACK and CTS timeout adjustment support Firewall and Packet/URL Filtering (Wireless Routing Client and Gateway mode only) Load Balancing & Fail-Over Redundancy (Gateway mode only)	
Link parameters	Antenna alignment and RSSI Signal levels Site Survey Radio and Ethernet Traffic Statistics	
Management	Web and utility Windows based	
Power	Power over Ethernet – PoE 802.3af (AC 110~220/DC 48V) with surge protector	
Dimensions	18"x12"x12" in (457x304x304mm) complete set	16"x16"x16" in (406x406x406mm) complete set
Weight	22 Lb (10 Kg) complete set	26 Lb (11.7 Kg) complete set
Cable	75' (25m) length Outdoor CAT5E Rated Shielded Cable	
Humidity	10-90%, (Operating)	
Temperature	-49 to 149 Deg F (-45 to 65 Deg C)	
Electromagnetic Compatibility	FCC Part 15 class B, CE Mark, ETSI 300 328	
Antenna Characteristics		
Gain	20 dBi	23 dBi
Frequency Range	4.900 – 5.800 GHz	
3db Beam Angle (Vertical)	14 Deg	11 Deg
3dB Beam Angle (Horizontal)	11 Deg	11 Deg
Polarization	Horizontal or Vertical	

Ordering Information:

- ▶ **AIR-PTP5000S** AIRNET 54Mb 4.9/5GHz Bridge Point to Point short range kit (up 10 miles or 16 Km)
- ▶ **AIR-PTP5000L** AIRNET 54Mb 4.9/5GHz Bridge Point to Point long range kit (up 15 miles or 24 Km)