WLO-10503B

10.5GHz, 300mW, Near Line of sight Wireless Outdoor Bridge / Base Station, W/TDMA QoS

What Wireless Solutions will you recommend if I want to connect across a barrier between 2 or more points?
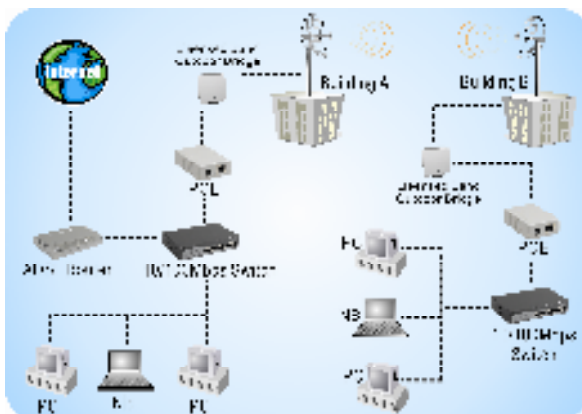
Thanks for radio frequency and software strength, PheeNet's NLOS Family can totally eliminate WISP / ISP / Telecom Operator / SI's headache to build up a NLOS Wireless PTP or PTMP connections.

The NLOS (Non Line of Sight) family from PheeNet is an affordable PTP/PTMP solution for licensed wireless deployment both for backhaul and "last mile". The product is available in a variety of frequency bands and is equipped with Ethernet interface.

The NLOS family utilizes TDD (Time Division Duplex) technology allowing operation on a single channel. Given its narrow bandwidth and availability at low UHF frequencies, then the NLOS family is ideal as a complementary product for existing MMDS, 3G, and 3.5G Networks.

Moreover the customer can easily have the wireless surveillance, wireless video, wireless mobility solutions by integrating with CCTV or IP camera.

Application

PTP

PTMP

Features

1. Non Line of Sight (NLOS) transmission
2. Long distances PTP or PTMP Bridge
3. Advanced OFDM techniques provide better performances under wireless NLOS transmission
4. Flexible channel bandwidth from 5, 10, 20MHz enables transmission over longer range and different subscriber platforms
5. Lower channel bandwidth instead of a fixed one serves more subscribers without wasting unused bandwidth
6. Adaptive modulation provides smooth connections even in noisy condition or low signal strength
7. TDMA QoS guarantee high bandwidth to business or professional customers
8. TDMA QoS provides low latency for voice and video application
9. Support 802.1Q (VLAN)

Specification

Industrial Standard	
Standard	IEEE802.3 10BaseT Ethernet
	IEEE802.3u 100BaseTX Fast Ethernet
Interface	IEEE802.3 10/100Base-TX (RJ-45) for POE
	N-type female connector for antenna
Security	40/128/256-bit WEP Encryption
	WPA Enterprise / WPA-PSK
	AES
	Wireless Isolation (Security Separator)
	Disable SSID Broadcast
	Dynamic Key Exchange (EAP-MD5, EAP-TLS, EAP-LEAP, EAP-PEAP)
System Management	1) Web Based Management
	2) SNMP MIB II
	3) Flow control at Remote
	4) TDMA QoS at Headend
	5) Link Status (CPE)
	6) Spanning Tree
	7) VLAN
	8) Support 802.1Q (VLAN)
RF	
Frequency Band	10.5GHz ～ 10.6GHz
Operating Protocol	TDM
Signal Format	OFDM
Modulation	BPSK to 64QAM
Channel Bandwidth	5MHz, 10MHz, 20MHz programmable

Throughput	6Mbps@BW=5MHz 11Mbps@BW=10MHz 22Mbps@BW=20MHz
Output Power	300mW
Sensitivity	-98dBm
Distance	~10Km
Operating mode	Base Station
	CPE (Client)
	Point to Point Bridge
	Point to Multi Point Bridge
Hardware	
Environment	Operating Temperature:-20~60℃
	Storage Temperature:-30~70℃
	Humidity: 95%(non condensing)
Power Supply	AC 100-264V, DV 15V, 50-60Hz
LED Indicators	Power, TX, RX, Signal Strength
Dimensions	230(L) X 280(W) x 116(H) mm
Weight	4.0 kg