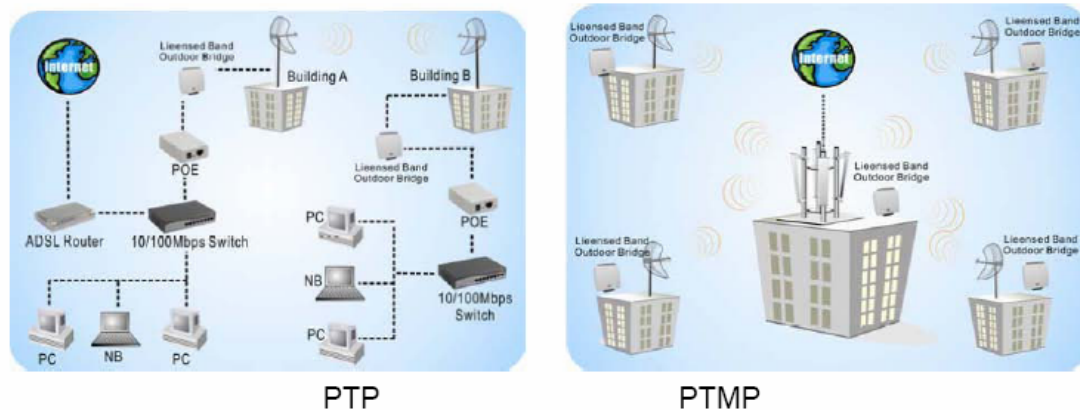




The Licensed Band family is a cost effective PTP/PTMP solution for licensed wireless deployment both for backhaul and "last mile". The product is available in a variety of frequency bands and is equipped with Ethernet interface. Licensed radios provide the system operator with the greatest flexibility to deploy applications in the with customers' existing requirements yet can be easily upgraded or switched to another interface with minimum cost. The Licensed Band family utilizes TDD (Time Division Duplex) technology allowing operation on a single channel. The Ethernet products are primarily designed to provide standard Ethernet interface in a wireless link between distant sites.

Given its narrow bandwidth and availability at low UHF frequencies, then the Licensed family is ideal as a complementary product for existing MMDS and future 3G Networks.

APPLICATION



Features

- NLOS Transmission
- Long distances PTP or PTMP Bridge
- Low Frequency application: 900MHz and 1.4GHz
- Monitoring of remote systems
- Sensor data capture in embedded systems
- Home automation & Building control
- SCADA (Supervisory control & data Acquisition)
- Target Markets: Telecom / Police / Military
- Dedicated ISP connections for high-reliability subscribers
- Enterprise or Institutions LAN and PBX Extension
- Extension to MMDS and 3G networks
- Bandwidth Control at Remote

Specification

Interface	
Antenna Connector	N-type (Jack)
Ethernet	IEEE802.3 (10Base-T)
	IEEE802.3u (100Base-TX)
Security	
Data Encryption	64/128-bit WEP
Authorization	MAC Address Filter
Radio	
Frequency (Licensed)	1.4GHz
Channel Bandwidth	Software selectable channel bandwidths of 5, 10 and 20MHz
Output Power	1W (30dBm)
Receive Sensitivity	-81dBm@ 14Mbps -83dBm@12Mbps -85dBm@9Mbps -87dBm@6Mbps -89dBm@4.5Mbps -91dBm@3Mbps -93dBm@2.5Mbps -95dBm@1.6Mbps
Data Bandwidth	Up to 6Mbps data throughput using in a 5MHz channel
	Up to 22Mbps data throughput using in a 20MHz channel
Frequency Stability	±10 ppm
Modulation	OFDM
Range	Up to 30Km. Depends on channel bandwidth used 5, 10, 20MHz
Hardware	
	(1)Web Based
Management	(2)SNMP MIB II
	(3)Bandwidth Control at Remote:N*64Kbps, N:1,2,3,4.....,16
Protocol	TCP/IP, IPX/SPX, NetBEUI
Operating System	Windows 98/2K/NT/XP
Network Architecture	PTP/PTMP
LED	Power / TX / RX / Signal Strength
Environment	Operating Temperature:-20~55℃
	Storage Temperature:-30~70℃
	Humidity: 95%(non condensing)

Power Supply	AC 100-264V, DV 15V, 50-60Hz
Dimensions	280(L) X 230(W) x 116(H) mm
Weight	4.0 kg