

AIRPAIR™ 100

High Capacity Wireless Ethernet

Air Pair 100 provides best-in-class, high capacity wireless Ethernet connections for synchronous and IP based applications. AirPair 100 delivers a 100 BaseTx user network interface to provide committed full duplex data rates of 100 Mbps over distances of up to 35 Km (21 mi).

The AirPair 100 accommodates a variety of International licensed and unlicensed frequency plans including the new 24 GHz unlicensed spectrum. The AirPair 100 - 24 GHz product provides near interference free operation. The product was designed to overcome the uncertainty of service with the congested 2.4 GHz ISM and 5.8 GHz U-NII bands, while offering the benefits of license exempt rapid deployment.

AirPair 100 supports traditional TDM services through DragonWave's optional APX modules. The APX provides service adaptation of T1/E1 traffic to be transported seamlessly over AirPair's native Ethernet platform, enabling Service Providers a seamless migration to native IP networks, while still supporting legacy TDM services.

AirPair 100 provides carrier class performance through support of point-to-point, hub, ring and mesh configurations, enabling network availability of 99.999%, as well as extremely low latency.

The compact system is designed for all-outdoor or split indoor/outdoor mounting, and is very simple to install and commission. Plug and play commissioning combined with a PDA configuration tool enables rapid deployment with minimal training.

Key Features

- › Wire-speed 100 Mbps full duplex performance
- › Transparent TCP/IP link extension with native Ethernet
- › Virtually zero delay for multimedia applications
- › 99.999% availability through mesh and ring support
- › Rapid installation and commissioning using PDA and PC-based tools
- › In-or-out-of band remote SNMP management
- › Up to 4 x T1/E1 wayside channel options
- › T1/E1 support through service adaptation to native Ethernet
- › Licensed frequency bands from 18 to 26 GHz
- › License exempt ETSI & FCC 24 GHz frequency band; 6 channels available
- › Supports Link distances up to 35 km (21 mi) with Licensed bands and 8 km (5 mi) with Unlicensed*
- › Rack Mountable Indoor (IDU), or all-outdoor (ODU) option

(*based on 99.95% link availability, Rain Region E, Los Angeles)



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