



AIRPAIR™

50–100 Mbps Wireless Ethernet Bridge 18–38 GHz

World's most affordable broadband wireless Ethernet

Today's high speed Internet demands that you get the most from broadband connections—ever-increasing speeds, carrier grade reliability and, most of all, affordability. **AIRPAIR**, the new leader in high-speed wireless Ethernet radios from DragonWave, brings together patented RF signal processing and years of broadband expertise to deliver a powerful all-outdoor solution with unparalleled ease of use.

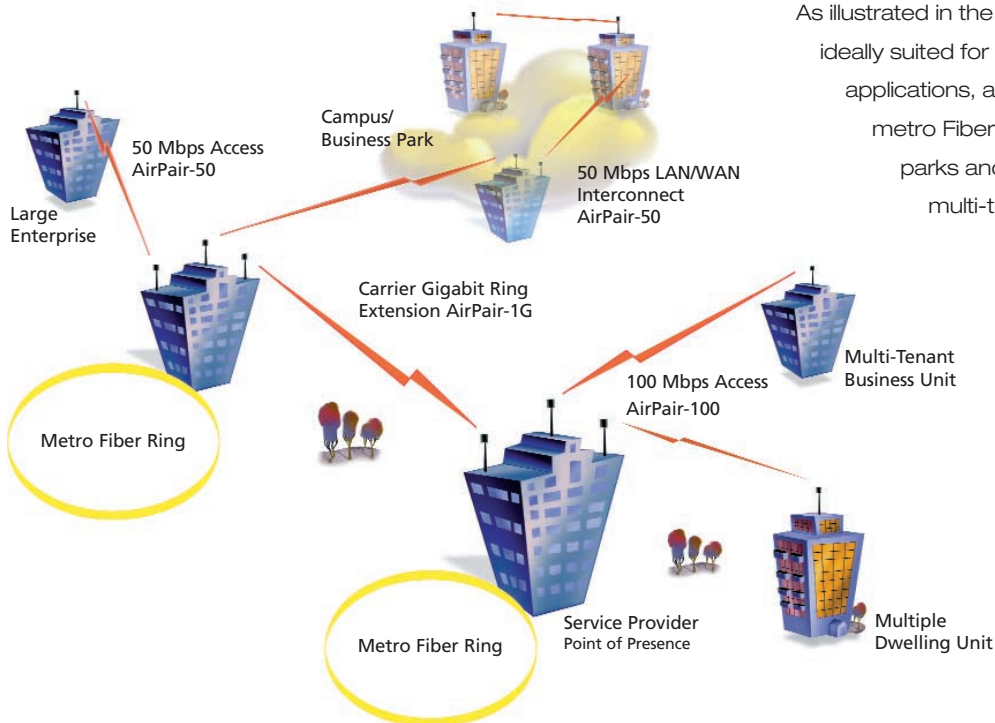


DragonWave

Bold new ideas in broadband wireless

Ideal for last mile metro access

The latest broadband networks offer unparalleled throughput using metro Fiber Ring topologies. However, only a fraction of businesses are accessible to this network due to the difficulties in “last mile” fiber cabling. DragonWave has solved that problem with the **AIRPAIR** product family. **AIRPAIR** provides 100 Mbps throughput via a wireless Point-to-Point Broadband Radio that meets carriers’ requirements for reliability, interfaces directly to the metro Fiber Rings as well as the customer LAN, can be rapidly deployed and is extremely affordable.



As illustrated in the diagram to the left, **AIRPAIR** is ideally suited for metro optical carrier last mile access applications, allowing service delivery from the metro Fiber Ring to large enterprises, business parks and small to medium enterprises in multi-tenant office buildings.

Wide coverage and “five nines” availability for service providers

AIRPAIR is an excellent solution for wireless Internet Service Providers who want to connect customers scattered throughout their service area. Similarly, **AIRPAIR** can be used for cellular operators wishing to backhaul 2G or 3G traffic from their cell towers to their network.

Operating in a variety of frequency bands to ensure global availability, **AIRPAIR** is capable of operating over ranges up to 10 miles while meeting the industry standard of 99.999% (or “five nines”) availability.

Fast, easy wireless local connections for enterprises

AIRPAIR is the solution of choice wherever a high-speed connection between local campus buildings is required. Operating in licensed or unlicensed bands, **AIRPAIR** installs quickly and includes everything required to connect two 100 BaseT Fast Ethernets.

Carrier grade availability

DragonWave’s **AIRPAIR** addresses the industry’s requirements for carrier grade availability and is designed to meet or exceed the carrier’s wireline availability standard. Security is ensured via DragonWave’s three level authentication schemes, as well as DES encryption of the data carried over the radio interface. The -48V power supply required by **AIRPAIR** can be connected to the carrier’s battery-backed source or a low cost AC UPS may be used for power backup.

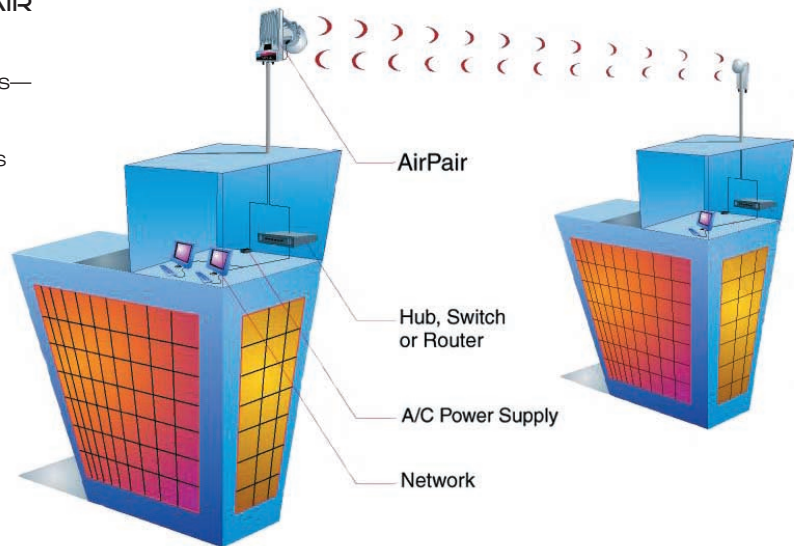
Using licensed band spectrum ensures 100% freedom from interference, and the ability to offer verifiable service level commitments to customers.

Flexible network management

The **AIRPAIR** is designed with flexible, carrier grade management requirements in mind. Using industry standard MIBs to monitor radio and network parameters, **AIRPAIR** integrates directly into any SNMP management environment, such as HP's Openview™. Management traffic may be carried in-band directly, and optionally over an 802.1q VLAN. **AIRPAIR** also supports an internal Secure Socket Layer HTTP management server that allows the units to be conveniently managed from any Web browser.

A complete wireless connection

Truly your wireless link "in a box," **AIRPAIR** includes everything you need to connect two 100 BaseT LANs in separate buildings—from the outdoor grade cables, power supplies, right down to the mounting nuts and bolts. All that is required is an outdoor mounting pole, mast or tower fixture to complete the installation.



Two-piece, all-outdoor ruggedized packaging

There are two main components to **AIRPAIR**: the modem and radio/antenna unit. The modem unit is designed to be pole-mounted alongside the radio, and is field replaceable. The radio accommodates a variety of international frequency plans, and can be ordered with a choice of built-in antenna sizes from 12" to 36".

The all-outdoor **AIRPAIR** is engineered for the worst climatic conditions you can imagine, from -40°C to +50°C.



Installs quickly

The all-outdoor **AIRPAIR** is also engineered for rapid installation with no indoor space requirements; by eliminating the server room footprint, all that is needed is the LAN and power connections to the rooftop **AIRPAIR**. Alignment takes just minutes using DragonWave's two-point visual sighting mount and a handheld PDA. To further simplify the procedure, rear-mounted visual alignment LEDs provide at-a-glance confirmation of the connection's accuracy.

A wide spectrum of bands to choose from

AIRPAIR is globally available in licensed bands—18, 23, 26, 28, 31, 38 GHz—and unlicensed bands—24 GHz (FCC) and 60 GHz. It is compliant with FCC, ETSI, ARIB and Industry Canada Standards.

Connect with us today

AIRPAIR is available now for all your wireless telecommunications applications. For additional information on this product or DragonWave's other capabilities, contact us today.



DragonWave

DragonWave Inc.

Suite 600, 411 Legget Drive, Ottawa, ON Canada K2K 3C9

Tel.: (613) 599-9991 Fax: (613) 599-4225

E-mail: info@dragonwaveinc.com

www.dragonwaveinc.com