



## *AirMux-200 Provides Broadband Ethernet and T1 Connectivity In the Licensed, 4.9 Ghz Public Safety Band*

### *Typical Users*

- Police and Fire Departments
- Hospitals or EMS Facilities
- State or Municipal Government Agencies
- Search and Rescue Organizations
- Utility Companies

### *Typical Applications*

- Rapid response deployments or disaster recovery operations
- Temporary or emergency site connectivity for special events
- Remote site connectivity of buildings, campuses, or rural areas
- Broadband wireless Last Mile where fiber cables are not available

In 2003, the FCC designated a portion of the 4.9 Ghz radio broadcast spectrum for the sole, licensed use of public safety agencies. This designation provides police, fire, utility and emergency medical agencies a frequency band that has much higher availability and is much less prone to interference than publicly-available, unlicensed bands.

RAD Data Communications recently released its Airmux-200 for use in the 4.9 Ghz band. The Airmux-200 -- a point-to-point, broadband, microwave multiplexer -- has a full duplex throughput capacity of up to 18 Mbps and is capable of transporting up to 4 T1 circuits and 10/100BaseT Ethernet over distances of up to 30 miles. Each Airmux-200 link can be managed via a Windows-based application that is supplied with the device, or an SNMP management platform is available for managing multiple links from a central location.

The small form-factor, intuitive interface, and minimal set-up requirements make it simple to install the Airmux-200. This greatly reduces the amount of time, money, and effort it takes to establish your point-to-point broadband communications. Now, instead of having to pay for costly leased lines, or paying to lay your own fiber and having to wait days or weeks for the implementation, you can establish a cross-town, cross-campus, or inter-agency communications link in a matter of minutes or hours with minimal outside assistance.

# Wireless Public Safety Communications at 4.9 Ghz



## Application Note

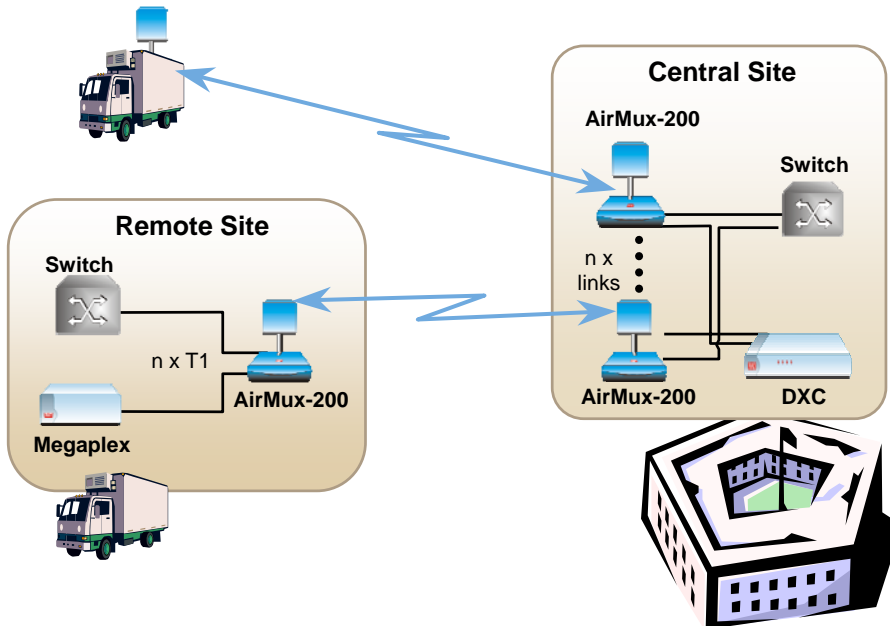
The Airmux-200 is the ideal broadband radio for rapid response deployments, institutional campus environments, disaster recovery, last mile connectivity, or backup communications links. In fact, RAD has numerous success stories of clients who are using the Airmux-200 for exactly these types of applications.

Along with the 4.9 Ghz band, the Airmux-200 is also capable of operating in the unlicensed 2.4 Ghz, 5.3 Ghz, and 5.8 Ghz frequencies.

### AirMux-200



### Temporary or Emergency Response Deployment



#### Quick Facts

- RAD's Airmux -200 is one of the only point-to-point, broadband microwave radios that is designed to operate in the 4.9 Ghz frequency band.
- The Airmux-200, 4.9 Ghz can transport up to 4 T1 circuits and 10/100 BaseT Ethernet at full duplex throughput rates of up to 18 Mbps.
- An available SNMP management platform means that you can manage multiple Airmux-200 links from one central location.



data communications

[www.rad.com](http://www.rad.com)

**International Headquarters**  
RAD Data Communications Ltd.  
24 Raoul Wallenberg Street  
Tel Aviv 69719, Israel  
Tel: 972-3-6458181  
Fax: 972-3-6498250  
email: [market@rad.com](mailto:market@rad.com)

**North America Headquarters**  
RAD Data Communications, Inc.  
900 Corporate Drive  
Mahwah, NJ 07430, USA  
Tel: 1-201-529-1100,  
Toll free: 1-800-444-7234  
Fax: 1-201-529-5777  
email: [market@radusa.com](mailto:market@radusa.com)  
[www.radusa.com](http://www.radusa.com)