

# APPLICATION NOTE

## LAST MILE ACCESS



## Serving Multi-Dwelling Residences with Broadband Wireless

### The challenge:

High-rise condominiums, townhomes, and suburban home developments have evolving Internet access needs comparable with corporate or university campuses. A large population of users in a single site requires individual connections to each person or office. New structures and communities are being built with Cat 5 cables in the higher-end homes, but units more than a decade old or in less affluent areas lack Internet connectivity altogether. Retrofitting each unit with cabling is much more expensive than fitting new structures with similar facilities. Yet these often urban dwellers represent an appropriate target market for broadband Internet service.

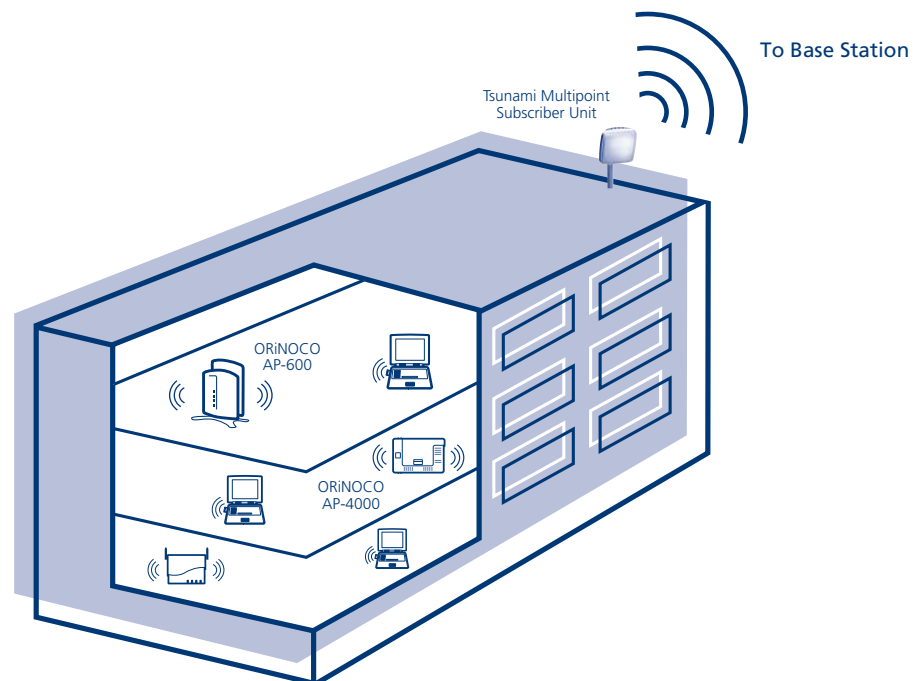
### The solution:

Wireless bridges installed on building rooftops or on each floor as appropriate – especially when coupled with Proxim Wi-Fi access points – sidesteps the issue of complex cabling. Broadband wireless reduces the physical cost and time to market barriers associated with leased lines (business DSL, fractional or full T1/E1) and residential broadband service. Proxim offers a range of bandwidth options to scale with subscriber density, and can meet or exceed both the performance and the reliability of wired service.

As an added benefit, Proxim equipment allows service differentiation for residential customers. For flexible service offerings, wireless last mile products from Proxim come in capacity variations to enable tiered subscriber plans to fit every customer's budget and needs.

### The products:

- ORiNOCO AP-4000
- ORiNOCO AP-2000
- ORiNOCO AP-600
- Tsunami MP.11
- Tsunami Multipoint
- Tsunami Point-to-Point
- Tsunami QuickBridge



**Proxim Corporation**  
935 Stewart Drive  
Sunnyvale, California 94085

tel: 800.229.1630  
tel: 408.731.2700  
www.proxim.com