

Proxim's Last Mile Solution Components

About Proxim

Proxim Corporation is a global leader in wireless networking equipment for Wi-Fi and broadband wireless networks. The company provides its enterprise and service provider customers with wireless solutions for the mobile enterprise, public hot spots, security and surveillance, last mile access, metropolitan area networks and voice and data backhaul.



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From business parks and apartment complexes to school districts and even rural communities up to 11 miles away, Proxim's last mile solutions provide reliable, high-bandwidth connectivity and Internet access. With Proxim's Tsunami broadband wireless systems and ORiNOCO Wi-Fi equipment, service providers can offer their subscribers complete last mile solutions that differentiate them from their competitors.

Proxim's Tsunami Broadband Wireless Solutions

	Tsunami QuickBridge	Tsunami Point-to-Point	Tsunami MP.11	Tsunami MP
Description	Wireless Ethernet solution with superior price performance and capacity of 11-60 Mbps	Wireless Ethernet bridges with carrier-class reliability and capacity of 20-860 Mbps	Economical multipoint system offering 11-54 Mbps capacity	High-bandwidth multipoint system offering 20-60 Mbps
Positioning	For providing dedicated bandwidth to select customers	For backhauling data on large networks	For connecting small businesses and residences	For large scale deployments

Proxim's ORiNOCO Wi-Fi Access Points

	AP-600b/g Access Point	AP-2500 Access Point	AP-4000 Access Point
Description	Enterprise-class access point with either 802.11a, 802.11b or 802.11b/g mode operation	Hot-spot-in-a-box – all in one access point and Internet gateway	Enterprise-class access point with automatic tri-mode (simultaneous 802.11a/b/g) operation
Positioning	Entry-level unit for enterprises or for medium to large hot spots without a high degree of client diversity	For small public hot spots	For enterprises and large hot spots requiring automatic support of all Wi-Fi client types

Proxim's ORiNOCO Wireless Client Adapters

From economical single standard PC cards to highly flexible 802.11a/b/g ComboCards, ORiNOCO offers a wide range of Wi-Fi certified PC cards, PCI cards and USB adapters.

For more information on Proxim's last mile access solutions, go to www.proxim.com/solutions/lastmile



Wireless Solutions for Last Mile Access

Last Mile Access

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Last Mile Access

Proxim's broadband wireless solutions give wireless Internet Service Providers and DSL/cable providers today's fastest pathway to new markets and revenue. Whether well-established and looking to expand, or smaller and newly established – service providers of all types can immediately and cost-effectively create wireless networks or reach out from established points-of-presence to capture new customers. Without the delays and costs of leasing or building a wired infrastructure, Proxim's wireless networks allow secure and reliable access to high-speed data, voice and video services. And with Proxim's upcoming WiMAX solutions, service providers will soon be able to scale their networks even more easily and cost-effectively to address rising subscriber growth rates.

Proxim Last Mile Solution Advantages:

- Faster time to market and lower Total Cost of Ownership than traditional leased lines
- Flexibility in service delivery using shared or dedicated bandwidth
- Scalability to handle rural and urban subscriber densities on the same infrastructure
- Meets or exceeds security, performance and reliability of leased line networks

Faster Time to Market, Lower Total Cost of Ownership

For both incumbent telecommunications providers and wireless ISPs, leasing lines and fiber trenching to expand market reach cut heavily into profit margins, take too long to provision and often cannot reach customer locations. Proxim's broadband wireless networks offer service providers a profitable business model with solutions that can deploy within hours and have an average payback period of 12 months. Easy installation and management capabilities further reduce network costs. And with Proxim's extremely affordable and robust residential CPEs, bringing last mile access to individual homes or small businesses is finally profitable.

High Bandwidth, Flexible Service Offerings

Using Proxim's broadband wireless point-to-point and multipoint solutions, service providers can easily and cost-effectively provide a rich selection of high-capacity, high-speed services including video on demand, IP telephony and IP surveillance. Ranging from 11 to 860 Mbps, Proxim's last mile solutions come in capacity variations to enable tiered subscriber plans that can fit every customer's budget and business requirements. Corporate customers, for instance, may benefit from a dedicated high-bandwidth link provided through a Service Level Agreement, instead of a sharing a connection. Features, such as Dynamic Data Rate Selection and Subscriber Unit to Subscriber Unit blocking give service providers complete control over bandwidth allocation and enhance their ability to optimally charge for their services.

Cost-Effective Scalability for Easy Growth

Whether you're serving sparsely populated rural communities or denser urban areas, Proxim's scalable bandwidth options and remote equipment maintenance make servicing new geographies feasible. A centrally located point-to-point link can be easily set up as a high-speed

backbone while multipoint systems can quickly build the network out to a broad subscriber base. Supporting up to 250 subscribers per base station, multipoint solutions enable providers to easily expand their services as customers grow – without having to invest in additional infrastructure. A host of features such as NAT/DHCP, which dynamically assigns multiple users per IP address, ensure cost-effective growth.

Network Reliability and Guaranteed Service

Proxim's last mile solutions provide maximum security and are designed to provide carrier-class RF link availability. A unique DDRS feature in Proxim's multipoint subscriber units automatically selects the best transmission rate per subscriber, guaranteeing all customers receive maximum bandwidth and continuous service. For densely populated areas, base stations are available with Proxim's patented Active Interference Rejection technology to nullify potential interference from other RF devices operating within the same range. Advanced features such as these result in highly reliable networks that provide superior service for subscribers.

Expanded Revenue Opportunities

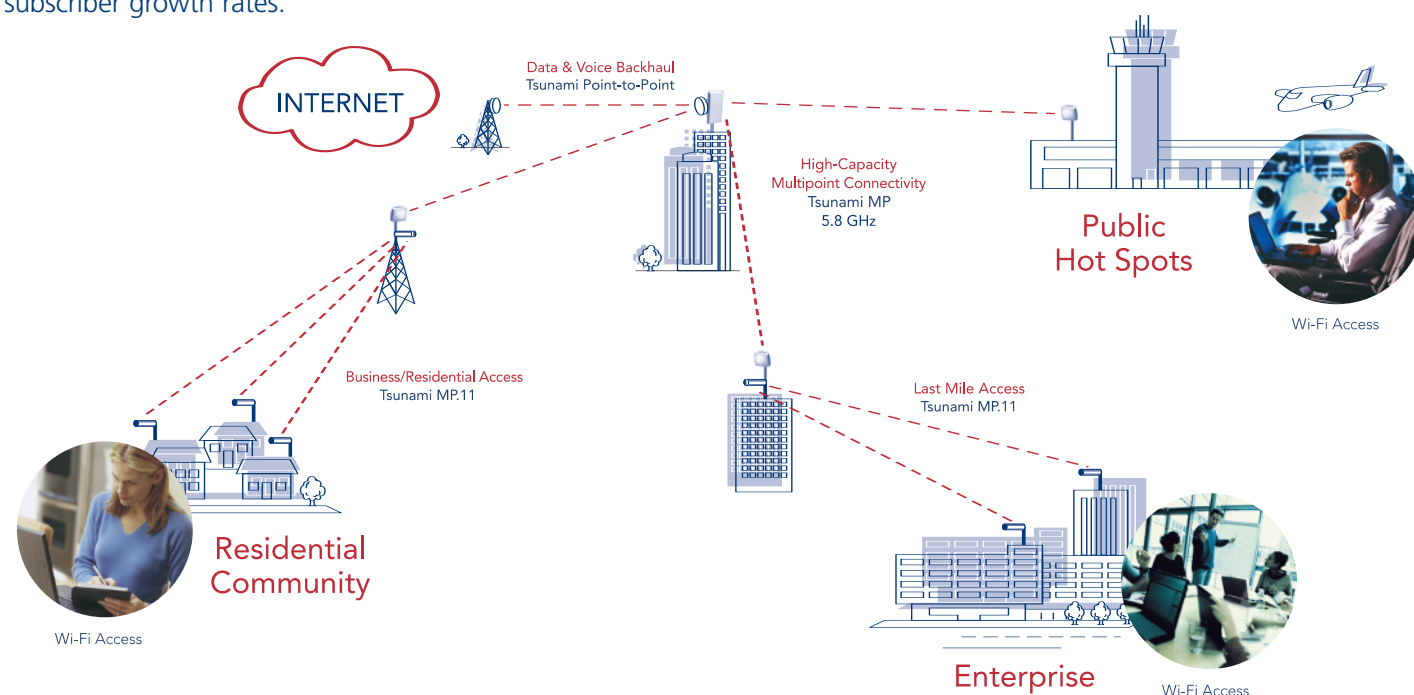
With Proxim's broadband wireless and Wi-Fi solutions, service providers can offer subscribers a complete portfolio of differentiated services for both building-to-building connectivity and mobile network access. Besides the traditional last mile access applications, Proxim continually introduces new wireless capabilities and applications to help service providers generate revenue. Providing continuous connectivity while moving between base stations, new subscriber unit roaming capabilities open new opportunities in markets such as public safety and transportation. By facilitating large-scale deployments of interoperable wireless networks, Proxim's upcoming WiMAX solutions will further service provider growth into more and more markets.

Applications:

- Reaching home subscribers in new geographies
- Providing competitive commercial broadband access
- Connectivity for school buildings and districts
- High-bandwidth connectivity for public hot spots
- Broadband service for multi-dwelling residences
- Public safety and transportation

Last Mile Market Growth

Global Information, Inc. estimates that by the end of this decade, over 700 million broadband access lines will be in operation globally – with broadband requirements per household doubling every 18-24 months. Despite this accelerating demand for broadband access around the world, lack of infrastructure remains a formidable barrier to addressing customer needs. Broadband wireless networks will increasingly provide the solution. By 2010, Global Information, Inc. predicts that 15%-20% of broadband connections in markets with well-developed fixed infrastructure will be based on wireless networks. In all other countries, over 50% of broadband will use wireless.



What customers are saying...

Internet Service Provider

"With Proxim, we were able to quickly and effectively provide high-speed wireless coverage to businesses and residents throughout the city. Proxim is the only company that offers the complete solution we needed, from outdoor wireless bridges to indoor user cards."

Douglas Resseguie,
Director of Technology Services,
Last Mile Technologies