

## PROXIM™ PRODUCT FAMILY - Product Overview

- For fast, mobile access to your network and the Internet from a laptop computer
- Secure 100 Mbps wireless networking
- Perfect for sharing presentations, graphics and other multimedia
- All the speed you need without the added complexity

### Blazing Speed Plus The Flexibility of Wireless

Experience the freedom of sending and receiving large files anywhere in your business or classroom. You can share presentations. Download and play high-quality audio and video. Collaborate on graphics-intensive projects. All without being tethered to your network. With data rates up to 108 Mbps, you get all the speed you need without wires.

### Easy to Install and Use

Proxim 802.11a gives you rocket speed without having to be a rocket scientist. It is designed specifically for the needs of small organizations without a network manager. Simple-to-use software makes installation easy. And if you need help, Proxim offers free, personal telephone support.

### Extends your Wired Network

Proxim extends your Ethernet LAN by allowing secure, mobile access to network resources. To create a fast wireless network, you simply connect one or more access points to your organization's existing network or broadband connection. Then add a CardBus Card to each mobile computer. With fast wireless connectivity, your mobile users can get more done wherever their work happens to be.

### What is an Access Point?

An access point is a wireless LAN transceiver that connects the wired LAN with wireless clients. The access points and wireless clients must both utilize the same wireless standard. The Proxim 802.11a products are based on the IEEE 802.11a standard.

### Secure and Interference-free

Proxim 802.11a delivers secure and interference-free wireless communications. Security is ensured with 64-, 128- and 152-bit WEP encryption and utilization of an access control list. The Proxim 802.11a products operate in the unlicensed and clean 5 GHz band. This means network connections are not affected by cordless phones, microwave ovens, Bluetooth™ devices or 2.4 GHz wireless LANs.

### Proxim 802.11a Difference

Proxim 802.11a has two operating modes: The 802.11a mode for speeds up to 54 Mbps and interoperability with other IEEE 802.11a-based products. Plus, Proxim's 2X™ mode for speeds up to 108 Mbps. Sophisticated automatic back-off algorithms ensure that Proxim's 802.11a solutions continuously deliver higher data rates than any other wireless LAN technology, at all ranges.



Proxim™ Product Family

## Technical Specification

### General

<b>Ethernet Architecture</b>	Transparent bridge
<b>Radio Data Rates</b>	802.11a Compliant Mode: 54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range. Proxim 2X™ Mode: 108, 96, 72, 48, 36, 24, 18, 12 Mbps per two (2) channels, auto fallback for extended range.
<b>Channels (North America)</b>	802.11a Compliant Mode: 8 non-overlapping (5.15 GHz to 5.35 GHz) Proxim 2X Mode: 3 non-overlapping (5.15 GHz to 5.35 GHz)
<b>Certifications</b>	US - FCC
<b>Safety</b>	UL
<b>Compatibility</b>	Fully interoperable with IEEE 802.11a compliant products in 802.11a Mode
<b>Warranty</b>	1-year parts and labor (return to factory)
<b>LED Indicators</b>	Front: Three (3) LED indicators for Power, Ethernet Activity, Wireless Activity Rear: One (1) LED indicator for 100Base-T and 10Base-T Link/Activity

### Network Information

<b>Ethernet Interface</b>	10/100BaseT (RJ45)
<b>Security</b>	64, 128, and 152-bit Wired Equivalent Privacy (WEP) data encryption; 100 node MAC address-based access control list
<b>Roaming</b>	Seamless roaming among APs
<b>Remote Access</b>	HTTP to integrated web management

### Radio

<b>Frequency Band</b>	Unlicensed National Information Infrastructure (U-NII) frequency band, 5.15 GHz to 5.35 GHz
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<b>Radio Type</b>	Orthogonal Frequency Division Multiplexing (OFDM)
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<b>Modulation</b>	64 QAM, 16 QAM, QPSK, BPSK
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<b>Output Power</b>	50 mW / 200 mW EIRP
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<b>Antenna</b>	Two (2) integral 6dBi omni with built-in diversity
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## Environmental

<b>Temperature</b>	0 - 50 degrees C (operating); -25 - 70 C (storage)
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<b>Humidity</b>	10-90% (non-condensing)
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## Physical

<b>Weight</b>	8.2 ounces (232 g)
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<b>Size</b>	6.0" L x 6.5" W x 1.5" H (152 mm x 165 mm x 38 mm)
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<b>Power Supply</b>	10 to 26 VDC
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<b>Shipping Configuration</b>	Skyline 802.11a Access Point with integrated antennas, user's guide on CD-ROM
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<b>Mounting</b>	Desk surface or wall-mount Optional ceiling T-bar mount available
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