RangeLAN2™

7110 PCI Card

Data Sheet



Advantages

- **Convenient**
  Scalable for hard-to-wire offices, and flexible for handling changes to network
- **Easy Installation**
  Plug & Play
- **High Performance**
  1.6 Mbps data rate
- **Compatibility**
  Guaranteed interoperability with products from over 20 WLI Forum member companies

As Powerful As You Need

The RangeLAN2 7110 PCI Card is a long range, high performance wireless LAN adapter for desktop computers. Delivering an optimal combination of range, throughput, low power consumption, and interference immunity, it is an ideal solution for desktop PC users. Utilizing 2.4GHz frequency hopping spread spectrum radio transmissions, the RangeLAN2 7110 PCI Card operates at a data rate of 1.6 Mbps. RangeLAN2 products have a range of up to 500 feet indoors, 1000 feet outdoors.

Guaranteed Interoperability

As a member of the Wireless LAN Interoperability Forum (WLI Forum), Proxim is one of over 20 companies that support an open industry specification designed to provide wireless LAN interoperability today. The WLI Forum provides an open RF specification and an interoperability test bed, allowing independent parties to develop a wide array of compatible products and networks. More products interoperate based on the WLI Forum's OpenAir™ specification than all other alternatives combined.

Easy Installation & Management

The RangeLAN2 7110 PCI Card offers Plug & Play installation, and fits the most common bus on today's desktop PCs. Once installed, this connection allows your computer to immediately become a wireless extension of the existing wired network. Proxim's unique Site Survey software is provided with each unit to assist in fast and easy network design and installation. In addition, by using RangeLAN2 Manager software, network managers can install, configure, monitor and troubleshoot their wireless LAN from anywhere on the network using only a standard web browser.

Flexibility for Hard-to-Wire Environments

The RangeLAN2 7110 PCI Card is a perfect solution for providing connectivity to your most difficult locations, with its wide temperature window and robust mechanical design (no moving parts). Wireless LAN technology allows you to scale your network creatively, without being confined to only as far as cables will reach. The wireless connection also provides ultimate flexibility to reconfigure your network without incurring additional cabling costs.

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Specifications

General

Radio Data Rate	1.6 Mbps per channel, 800 Kbps fallback rate for extended range
Range	Up to 500 feet (150m) in typical office environments; Up to 1,000 feet (300m) in open spaces
Channels	Supports 15 independent, non-interfering virtual channels (frequency hopping patterns)
Certifications	Meets FCC Part 15 in the U.S.; ETSI ETS 300.328 and CE EMC-EEC in Europe; applicable TELEC standards in Japan
Compatibility	OpenAir™-compatibility ensures interoperability with the products of >20 Wireless LAN Interoperability Forum (WLI Forum) member companies
Warranty	1 year parts and labor (return to factory)

Radio

Frequency Band	2.4 GHz band; Frequency range varies by country
Radio Type	Frequency hopping spread spectrum (FHSS)
Output Power	100 mW
Antenna	Dipole 0 dBi gain

Environmental

Temperature Range	-20 to 60 degrees Centigrade
Humidity (non-condensing)	10% to 90% typical

Physical Specifications

Form Factor	32-bit PCI
Weight	3.1 oz

Network Information

Network Architecture	Supports ad hoc peer-to-peer networks and communications to wired Ethernet or Token Ring networks via Access Point(s)
Drivers	NDIS 3.1 (for Windows 95/98/ME/NT); NDIS 5 (for Windows 2000); NDIS 2.1 (for DOS, Windows for Workgroups); ODI 4.0 (for Netware); Windows CE 2.0; Integrated in Windows CE 2.11 OS (Handheld Pro Edition 3.0)
Roaming	Seamless roaming
Domains	Up to 16 domains for simultaneous independent networks
Security	Twenty character alphanumeric encrypted security ID
Installation & Diagnostics	Site survey tool included. Surveys other wireless units and spectrum conditions, reports link quality and ping statistics to APs. Desktop icon continuously reports connection status.

Ordering Information

7110	PCI Card with antenna

Accessories

Driver and Site Survey Tool diskettes, antenna, operating manual

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OpenAir 2.4

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#7680-0086 rev. B 1/01 CI/JA