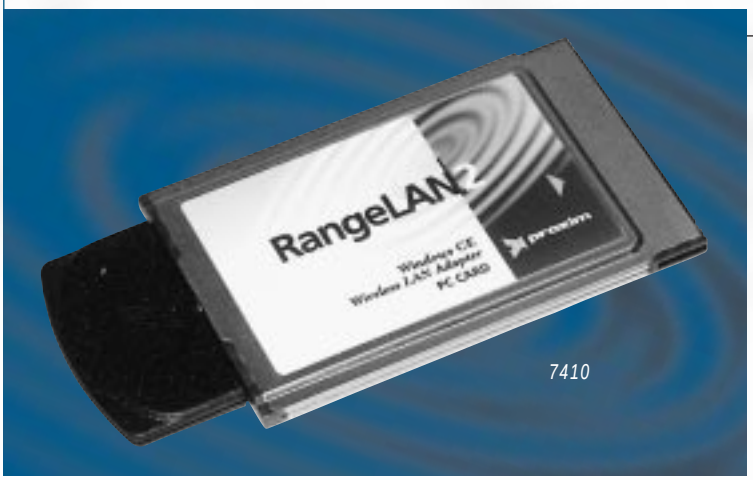
RangeLAN2™

7410 CE PC Card

Mobilizing the Workforce with Handheld PCs

Data Sheet



Advantages

- **Priced to Mobilize Handheld PC Devices**
  Low-priced RangeLAN2 wireless LAN adapter, exclusively for use in Windows™ CE Handheld PCs.
- **Industry's Lowest Power Consumption**
  Marathon™ power management delivers less than 5 mA current draw in doze mode, significantly extending battery life.
- **Driver Built Into Windows CE Operating System**
  Driver built into Windows CE 2.11 (Professional Edition 3.0) for plug-and-play utilization. Standard driver available for Windows CE 2.0.
- **Fast**
  Delivers a 1.6 Mbps data rate for responsive network connectivity.

Increase Your Productivity—Take Your Network with You

The RangeLAN2 7410 CE PC Card is a high performance wireless LAN adapter designed to meet the needs of mobile users who require continuous LAN connectivity. Delivering an optimal combination of range, throughput, and low power consumption, it is the perfect solution for users of Windows™ CE Handheld devices. And best of all, it is value priced to deliver cost effective mobile computing.

Imagine being able to take your handheld anywhere in your workplace with unbroken network connectivity. Scan your email while listening to a lecture. Call up an important file during a meeting. Use the web to verify a crucial fact. With the RangeLAN2 7410 CE PC Card and a RangeLAN2 or OpenAir™ network backbone in place in your facility, all this is not just possible, but today it is reality for thousands of satisfied customers worldwide.

Power Management That Keeps You On the Move

With Marathon™ Power Management, the RangeLAN2 7410 CE PC Card keeps you mobile longer. When your device is neither transmitting nor receiving but needs to be network aware, the RangeLAN2 7410 slips into doze mode, reducing the current draw to below 5 mA, significantly increasing battery life. Further, the RangeLAN2 7410 features the industry's lowest transmit (265 mA) and receive (130 mA) power consumption.

Guaranteed Interoperability through OpenAir Certification

With the RangeLAN2 7410 CE PC Card, small Windows CE handheld devices can benefit from wireless network connectivity. And since the RangeLAN2 7410 fully complies with the OpenAir™ standard, connectivity and interoperability is guaranteed with all of the large base of OpenAir-certified products from more than twenty companies belonging to the Wireless LAN Interoperability Forum.

Standard Drivers and Software Tools for Easy Network Installation

Proxim's unique Site Survey software is provided with each unit to assist in fast and easy wireless network design and installation. And with drivers built into the Windows CE Professional Edition 3.0 (Windows CE 2.11) Operating System, simple plug-and-play installation gets you up and running quickly. Plus network management has never been easier with Proxim's web-based RangeLAN2 Manager. Using RangeLAN2 Manager software, network managers can install, configure, monitor and troubleshoot their wireless LAN from anywhere on the network.

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Specifications

General

Radio Data Rate	1.6 Mbps per channel, 800 Kbps fallback rate
Range (snap-on)	~400 feet (~122 m) radius indoors 700 feet (~213 m) radius outdoors (more with optional dipole antenna)
Channels	Supports up to 15 independent, non-interfering virtual channels (hopping patterns)
Power Management	265 mA transmit, 130 mA receive, less than 5 mA doze mode, 2 mA sleep mode (all are typical values)
Certifications	• US – FCC Part 15 • International – Contact Proxim for a list of currently certified countries
Compatibility	Fully interoperable with all RangeLAN2 or OpenAir™-certified (Wireless LAN Interoperability Forum) products
Warranty	1 year parts and labor (return to factory)

Network Information

Network Architecture	Supports ad hoc peer-to-peer networks and infrastructure communication to wired Ethernet or Token Ring networks via Access and Extension Point(s)
Drivers	Built into Windows™ CE Professional Edition 3.0 (Windows CE OS 2.11); Windows CE 2.0 drivers available for free download on Proxim's web site
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, reports link quality and ping statistics to APs. Desktop icon continuously reports connection status

Radio

Frequency Band	2.4 GHz frequency band. Actual frequencies in use vary by country
Radio Type	Frequency Hopping Spread-Spectrum (FHSS)
Output Power	100 mW
Voltage	5 V
Antenna Options	Standard snap-on (0 dBi gain); Optional dipole (1 dBi gain)

Environmental

Temperature Range	-20 to +60 degrees C (operating) -20 to +65 degrees C (storage)
Humidity (non-condensing)	20 to 90% typical

Physical Specifications

Form Factor	PCMCIA, Type II PC Card. Card and Socket Services 2.1 compliant
Weight	1.09 ounces (31 g), PC Card only

Ordering Information

7410	RangeLAN2 CE PC Card
7741	Optional dipole antenna

Accessories

Snap-on antenna, operating manual

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OpenAir 2.4

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