



Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter

Overview

IBM continues to enhance its Wireless Mini-PCI adapter offerings by introducing the new Intel® PRO/Wireless LAN 2100 3B Mini-PCI Adapter. This adapter improves mobility and ease of use while maintaining your productivity. The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter is a high-performance, affordable solution for connecting approved wireless upgradeable ThinkPad® notebooks to a wireless or wired network. The adapter offers fast, reliable connectivity to an existing 802.11b network whether from the office or from the road.

The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter offers new enhancements including LED wireless activity. The adapter supports LED Link and Wireless connectivity integrity to indicate a wireless connection on the dashboard of ThinkPad notebooks.

The adapter comes with an easy-to-use configuration utility offering fast and effective setup. The utility enables you to specify encryption, infrastructure mode, ad hoc mode, transmit mode, and enhanced roaming. The adapter is Wi-Fi-certified and compatible with IBM PCs with integrated Wi-Fi-certified wireless capability. It includes support for ad hoc peer-to-peer networking communication to wired networks via a Wi-Fi-compliant access point.

IBM intends to release Extended Channel Mode support for the Intel PRO/Wireless LAN 2100 3B Mini PCI Adapter via a future Web download. Extended channel mode is a feature that allows clients to be used with an access point which supports operation in channels 12 through 14.

Note: Extended Channel Mode operation in channels 12 through 14 is not permitted in Canada and the United States, and may not be permitted in other countries; consult with your country government regulators to determine if Extend Channel Mode is permitted in your country.

Key Prerequisites

The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter requires an available Type IIIb mini-PCI slot and a ThinkPad notebook equipped with an embedded 802.11b antenna (available on select models). Connection to a wired network requires an 802.11b access point.

The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter is for use only in approved wireless upgradeable ThinkPad notebooks with an embedded 802.11b antenna and available mini-PCI slot. The approved systems designed to operate with the Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter are listed on the IBM Web site at:

<http://www.ibm.com/pc/qtechinfo/MIGR-43693.html>

A BIOS lock-out feature has been implemented on your ThinkPad system that allows it to only accept approved IBM Wireless LAN Mini-PCI options. If you install an unauthorized wireless LAN mini-PCI card, your ThinkPad system will not start and will emit beeps.

Planned Availability Date

April 18, 2003

Product Number

31P8601

At a Glance

The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter features:

- Up to 11 Mbps data rate with fallback to 5.5, 2, and 1 Mbps¹
- 2.4 GHz direct sequence spread spectrum (DSSS)
- Type IIIb mini-PCI form factor
- Support for hardware accelerated 128-bit WEP RC4 encryption for data security with negligible performance degradation
- True PCI bus interface
- Support for all major operating systems
- Based on IEEE 802.11 and 802.11b
- Microsoft™ WHQL-certified
- WECA Wi-Fi-certified

For technical support:

- Call the HelpCenter® (800-772-2227)

or

- Request technical information via the Personal Computing Division Web site at:

<http://www.ibm.com/pc/support>

¹ Data transfer speeds vary and are often less than the maximum possible.

Warranty Information

For a copy of applicable product warranties, write to:

Warranty Information
P.O. Box 12195
RTP, NC 27709
Attn: Dept JDJA/B203

IBM makes no representation or warranty regarding third-party products or services.

Telephone support may be subject to additional charges, even during the limited warranty period. For IBM machines with on-site labor, IBM will attempt to diagnose and resolve the problem remotely before sending a technician. For IBM machines with EasyServ service, IBM will attempt to diagnose and resolve the problem remotely before sending a courier.

All offers are subject to availability. IBM reserves the right to alter product offerings and specifications at any time without notice. IBM is not responsible for photographic or typographic errors.

Section 508 of the U.S. Rehabilitation Act

The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter is capable as of April 18, 2003, when used in accordance with associated IBM documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

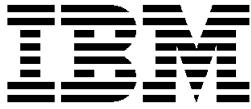
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IBM US Announcement Supplemental Information

March 12, 2003

Intel® PRO/Wireless LAN 2100 3B Mini-PCI Adapter (31P8601)

Product Positioning: The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter joins the current IBM High Rate Wireless LAN Mini-PCI adapter (22P7701) and the Cisco Aironet Wireless 802.11b Mini-PCI adapter by IBM (31P8301) in the lineup of Mini-PCI adapter options for upgradeable wireless-ready ThinkPad® systems in IBM's family of Wireless 802.11b adapters.

The adapter is intended for ThinkPad customers who need to upgrade wireless-ready ThinkPads equipped with an 802.11b antenna. The adapter offers the affordability, reliability, and performance for small, medium, and large enterprise customers.

The adapter is an excellent choice for customers who want the flexibility and productivity of wireless networking.

Technical Information

- Form factor: Mini-PCI Type IIIb
- Selectable channels: Up to 11, depending on country/region
- Wireless medium: Direct Sequence Spread Spectrum (DSSS)
- Encryption:
 - 128-bit WEP encryption, backward-compatible with 64-bit solutions

Performance Specifications

- Range: Up to 300 feet indoors
- Data rates: 11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps (auto selecting to extend range)

Physical Specifications

- Approximate height: 3.54 mm (0.139 in)
- Approximate width: 59.3 mm (2.34 in)
- Approximate depth: 44.3 mm (1.74 in)
- Approximate weight: 11.6 g (0.026 lb)

Operating Environment

- Temperature: 0° to 70°C (32° to 158°F)
- Relative humidity: 8% to 95%, non-condensing

Agency Approvals

- FCC
- UL
- Industry Canada RSS
- Telec
- CE
- MIC

ENERGY STAR-Compliant: No

Hardware Requirements: The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter is supported on the following IBM systems:

System Name	Machine Type	Model
ThinkPad R40	2722, 2723, 2724	Wireless upgradable
ThinkPad T40	2373, 2374	Wireless upgradable
ThinkPad X31	2672, 2673	wireless upgradable

Software Requirements: The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter is supported on the following operating systems:

- Windows® XP
- Windows 2000

Windows 98 and Windows NT® driver support will be offered through a future Web download at:

<http://www.pc.ibm.com/support>

Compatibility: Some configurations may not be compatible.

Limitations: The Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter in selected systems has been designed to permit legal operation worldwide in regions in which it is approved. Operation on channels 12 through 14 is not permitted in all regulatory regions of the world. Consequently the wireless LAN feature is limited to operate on channels 1 through 11 and will not support channels 12, 13, and 14 without extended channel mode support.

Planning Information

Cable Orders Required: No

Installation Time: Approximately 15 minutes

Packaging: One box

Shipment Group

- Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter
- User's Guide and Device Drivers CD
- Mini-PCI Guide
- Regulatory Flyer
- Safety Pub

Note: The *Hardware Maintenance Manual* has been discontinued.

Security, Auditability, and Control

This product uses the security and auditability features of the system in which it is installed.

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

Terms and Conditions

Field-Installable	Yes
Customer Setup	Yes
Limited Warranty Period ²	1 Year
Service Type	CCE
Maintenance Agreement	No
Optional Upgrade	No
Licensed Programs	No

All other terms and conditions are the same as those applicable to the IBM machine type in which the feature is installed.

² Copies of the IBM Statement of Limited Warranty can be obtained by contacting your reseller, accessing the online services listed in the Help and Service Information section of this announcement, or calling IBM in the United States at 800-772-2227. In Canada, call IBM at 800-565-3344.

Help and Service Information — Features and Options

During the warranty period, support for a warranty related issue can be obtained by accessing IBM's online services (requires internet access account, not included) or calling the HelpCenter®.

Response time will vary depending on the number and nature of calls received. If you need warranty service, return or exchange is available. In addition, if your IBM option is installed in an IBM computer, you may be entitled to service at your location. For general questions related to the use of your options, fee-based support is available. Your technical support representative can help you determine the best alternative.

Accessing IBM Online Services

- IBM Web site at:
<http://www.ibm.com/pc>

Prices

Description	Part Number	IBM List Price ³
Intel PRO/Wireless LAN 2100 3B Mini-PCI Adapter	31P8601	\$99

³ IBM price does not include tax or shipping and is subject to change without notice. Reseller prices may vary.

Global Financing

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