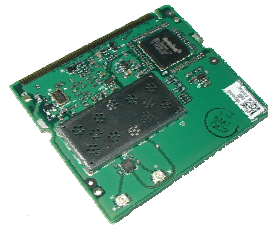# Intel® PRO/Wireless 2100 LAN MiniPCI Adapters Types 3B

Product Description:
Embedded 2.4 GHz Wireless Local Area Network (LAN) MiniPCI adapters. The MiniPCI Types 3B form factor is designed for notebook computer systems where overall thickness must be kept to an absolute minimum[+].

Type 3B MiniPCI shown

Key Features:

- 2.4 GHz support
- Up to 11 Mbps at 2.4 GHz
- IEEE 802.11b standard technology
- Industry standard wireless LAN security support is available (802.1X, WEP, WPA[§], AES+[§]) with enabling software implementation.[◊]
- Cisco* Compatible Extensions (such as LEAP and CKIP) support is available on certain models. Check with your PC manufacturer for Cisco Compatible validation.[§]
- Intel® Wireless Coexistence System capability enables Bluetooth* co-existence

Technical Specifications

Model Name	Intel® PRO/Wireless 2100 LAN MiniPCI Adapter Type 3B
Dimensions (L x W x H)	Type 3B: 44.60mm x 59.75mm x 4.90mm
Weight	Type 3B: 12g
Antenna Interface Connector	Hirose U.FL-R-SMT mates with cable connector U.FL-LP-066
Radio ON/OFF control[◊]	Supported by both hardware and software
Connector Interface	MiniPCI Type III edge connector
LEDs output	Link, Activity
Operating Temperature	0 to +70° Celsius
Humidity	0 to 95% non-condensing
Frequency Modulation	2.4 GHz (802.11b)
Frequency Band	2.4 GHz to 2.497 GHz
Modulation	DBPSK, DQPSK, CCK
Wireless Medium	2.4GHz ISM: Direct Sequence Spread Spectrum (DSSS)
Channels	Most of World (MOW) SKU 1-11; Rest of World (ROW) SKU 1-14
Data Rates	Up to 11Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps
Voltage	3.3 V

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Intel in Communications

Intel PRO
Network Connections

Technical Specifications continued
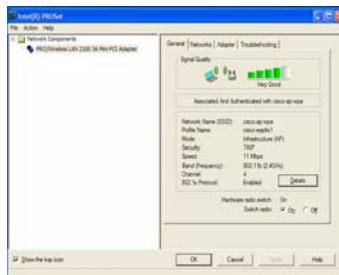
Operating System	Microsoft* Windows* XP Professional, Windows* XP Home, Windows* XP Tablet, Windows* 2000, Windows* 98 (Retail), Windows* 98SE, Windows* NT4.0 (SP6 or later)
Wi-Fi Alliance	Wi-Fi CERTIFIED* for WPA§
WHQL Certification	Yes
WLAN Standard	IEEE 802.11b
Architecture	Infrastructure or ad hoc (peer-to-peer)
Security	WPA§, 802.1X, EAP-TLS, 128-bit and 64-bit WEP, CKIP§
Proprietary security	Supports Cisco* Compatible Extensions such as LEAP and CKIP§
Product Safety	UL, C-UL, CB (IEC 60590)
Compliance	Two (2) SKUs for all major countries

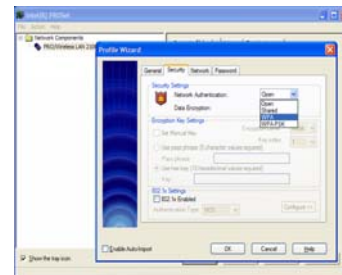| Products Available	Product Code
Intel® PRO/Wireless 2100 LAN MiniPCI Adapter Type 3B (MOW, Ch 1-11)	WM3B2100NA3
Intel® PRO/Wireless 2100 LAN MiniPCI Adapter Type 3B (ROW, Ch 1-14)	WM3B2100WW3

Intel® PROSet Software◊

As part Intel® PRO Network Connection Software, Intel® PROSet software◊ provides driver consistency among desktops, notebooks, and servers in one simple common user interface. Intel PROSet software helps enable a superior mobile experience+ by providing:

- Connection Status
- Network/NIC Management

Connection Status
- Signal Strength
- Network Name
- Security
- Radio On/Off

Network/NIC Management
- Network Management
  - Network Name
  - Security Settings
  - Network Discovery
  - Multiple profile setup
- NIC Management
  - Power Settings

*Other names and brands may be claimed as the property of others

+Wireless connectivity and some features may require you to purchase additional software, services or external hardware. Availability of public wireless LAN access points limited and some hotspots may not support Linux-based Intel Centrino mobile technology systems. System performance measured by MobileMark* 2002. System performance, battery life, wireless performance and functionality will vary depending on your specific operating system, hardware and software configurations. See http://www.intel.com/products/centrino/more_info for more information.

§ Some security solutions may not be supported by your PC's operating system and/or by your PC manufacturer. Check with your PC manufacturer for details on availability

◊ Intel® PROSet for Wireless software may not be supported by your PC manufacturer. Check with your PC manufacturer for details on availability.

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