PRISM® 3 11 Mbps Wireless Local Area Network miniPCI

The Intersil ISL37200M WLAN miniPCI (Note 1) is a complete wireless high speed Network Interface Card (NIC) utilizing the Intersil PRISM® 3 Direct Sequence Spread Spectrum (DSSS) Wireless Transceiver chip set. It provides a complete PRISM 3 reference design evaluation platform of hardware and software to system providers or integrators requiring wireless data communications capability and is ideal for integration into computer platforms.

Evaluation kits include one WLAN miniPCI card and one PCMCIA designed to Intersil's PRISM reference design, Microsoft® Windows® Driver, Local Area Network evaluation software, PRISM Transmitter Test Utilities (PTTU) software (Note 3) and documentation to get your evaluation started quickly. It supports the IEEE 802.11 network specification for DSSS signaling, providing data rates of 1, 2, 5.5 and 11Mbps. Access Points are available from a number of suppliers, enabling a total wireless network solution. Typical operating ranges are shown in Table 1.

TABLE 1. TYPICAL OPERATING RANGE (Notes 2,4)

DATA RATE (Mbps)	INDOOR RANGE	OUTDOOR RANGE
11	120 feet (37 meters)	500 feet (152 meters)
5.5	200 feet (61 meters)	800 feet (243 meters)
2	240 feet (73 meters)	1300 feet (396 meters)
1	300 feet (91 meters)	1750 feet (533 meters)

Features

- FCC Certified Under Part 15 to Operate in 2.4GHz ISM Band
- Support for 11, 5.5, 2 and 1 Megabit Per Second (Mbps) Data Rates
- Supports the IEEE 802.11 Direct Sequence Specification
- Driver Supports Microsoft® Windows® 98, NT, 2000, CE, ME, XP and LINUX®
- Advanced RAKE Receiver Design with Decision Feedback Equalizer
- Provides Wireless Data Communications at Full Ethernet Speed
- MiniPCI design type 3A compliant
- Intelligent Power Control, Including IEEE802.11 Power Save Mode
- Complete Reference Design, the ISL37200M-CD is Available to Ensure Minimum Time-to-Market

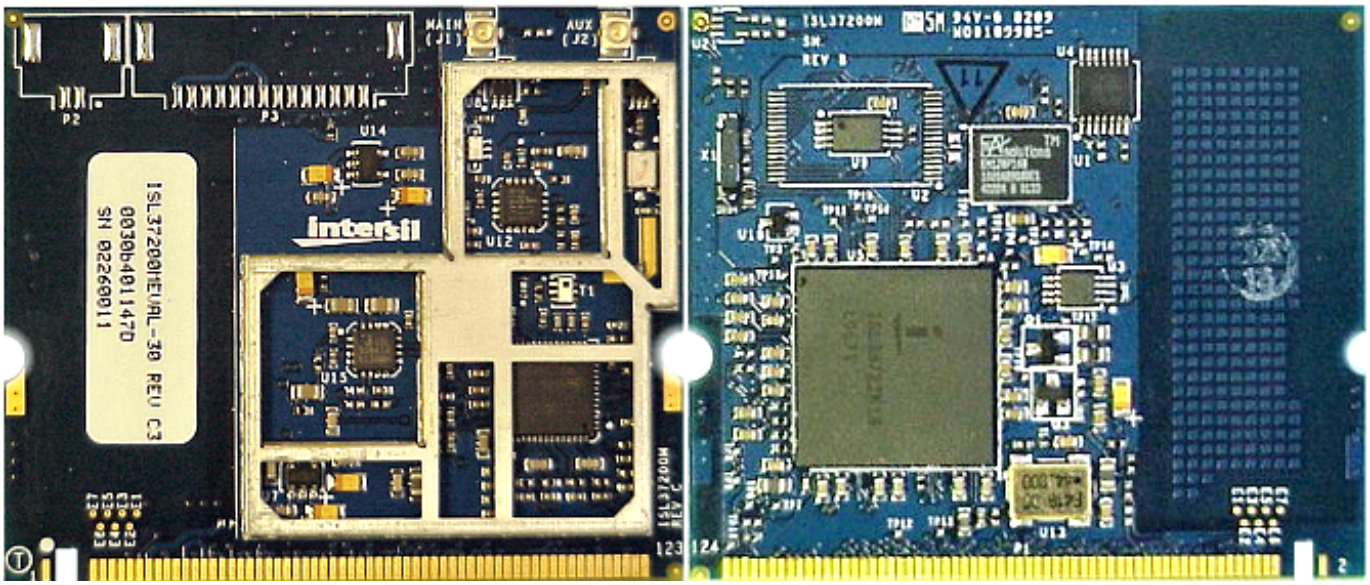
NOTES:

1. Throughout this document, all references to, 'WLAN adapter', 'adapter', or 'card' refer to a card assembly conforming to the type 3A miniPCI Specification.
2. The range will vary in different operating environments due to effects such as building construction and selection of antenna.
3. At present, PTTU supports Windows 98, 2000, ME, and XP.

Ordering Information

PART NUMBER	DESCRIPTION	CARDS/SET
ISL37200M-EVAL	WLAN Evaluation Kit	1 miniPCI 1 PCMCIA
ISL37200M-CD	Reference Design	n/a

Packaging



CAUTION: These devices are sensitive to electrostatic discharge; follow proper IC Handling Procedures.
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