ISL37106P-EVAL



PRELIMINARY

Network PCMCIA

^PRIS/

computer platforms.

ranges are shown in Table 1

DATA RATE (Mbps) 11

5.5

2

1

Packaging

PRISM® 3 11Mbps Wireless Local Area

Interface Card (NIC) utilizing the Intersil PRISM 3 Direct Sequence Spread Spectrum (DSSS) Wireless Transceiver

evaluation platform of hardware and software to system

communications capability and is ideal for integration into

designed to Intersil's PRISM reference design, Microsoft® Windows[®] Driver, Local Area Network evaluation software,

PRISM Transmitter Test Utilities (PTTU) software (Note 6)

and documentation to get your evaluation started quickly. It

supports the IEEE802.11b network specification for DSSS

enabling a total wireless network solution. Typical operating

TABLE 1. TYPICAL OPERATING RANGE (Note 5) INDOOR RANGE

120 feet (37 meters)

200 feet (61 meters)

240 feet (73 meters)

300 feet (91 meters)

signaling, providing data rates of 1, 2, 5.5 and 11Mbps.

Access Points are available from a number of suppliers,

Evaluation kits include a pair of WLAN PCMCIA cards

providers or integrators requiring wireless data

chip set. It provides a complete PRISM 3 reference design

Data Sheet

The Intersil ISL37106P WLAN

wireless high speed Network

PCMCIA (Note 4) is a complete

February 2003

Features

- FCC Certified Under Part 15 to Operate in 2.4GHz ISM Band
- Support for 11, 5.5, 2 and 1Mbps Data Rates
- Supports the IEEE802.11b Direct Sequence Specification
- Driver Supports Microsoft Windows 95, 98, 2000, NT, CE, ME and XP
- Supports Dual Diversity Antennas
- Advanced RAKE Receiver Design with Decision Feedback Equalizer
- Provides Wireless Data Communications at Full Ethernet Speed
- Designed to Fully Support PCMCIA Type II Defined Mechanical and Environmental Stress Conditions
- Intelligent Power Control, Including Low Power Standby Mode
- Complete Reference Design, the ISL37106P-CD is available to ensure minimum time-to-market.

Ordering Information

PART NUMBER	DESCRIPTION	CARDS/SET
ISL37106P-EVAL	WLAN Evaluation Kit	2
ISL37106P-CD	Reference Design	N/A

5# ISL3710G-EVAL REV A AL0249-0001 bendi intensi 54V-8 8242 x0#124388-

NOTES:

- 1. Throughout this document, all references to, 'PCMCIA', 'WLAN adapter', 'adapter', or 'card' refer to a card assembly conforming to the mechanical size specifications of the PCMCIA type 3A.
- 2. The range will vary in different operating environments due to effects such as building construction.

OUTDOOR RANGE

400 feet (152 meters)

800 feet (243 meters)

1300 feet (396 meters)

1750 feet (533 meters)

3. At present, PTTU supports Windows 95, 98, NT, 2000 and ME

CAUTION: These devices are sensitive to electrostatic discharge; follow proper IC Handling Procedures. 1 1-888-INTERSIL or 321-724-7143 | Intersil (and design) is a registered trademark of Intersil Americas Inc. Copyright © Intersil Americas Inc. 2003. All Rights Reserved. PRISM® is a registered trademark of Intersil Americas Inc. PRISM and design is a trademark of Intersil Americas Inc. Microsoft® Windows® and Microsoft® Windows NT® are registered trademarks of Microsoft Corporation. All other trademarks mentioned are the property of their respective owners