

SPEEDLAN 8000 Series

8400 Series Single Device Adapters for PCs, Workstations, and Notebooks

SPEEDLAN Single Device Adapters allow Small-Office or Home-Office (SOHO) and residential users to receive broadband wireless Internet access from a SPEEDLAN enabled Internet Service Provider. Featuring fully configurable bandwidth for each remote user, ISPs can now offer broadband services to entire cities with less dependency on the local telephone network. Single Device Adapters are used to connect with a SPEEDLAN 8000 series base station at speeds up to 11 Mb.

Hardware

The SPEEDLAN 8000 series Single Device Adapters are offered as PCMCIA radio cards with ISA or PCI adapters available.

SPEEDLAN Single Device Adapter Features

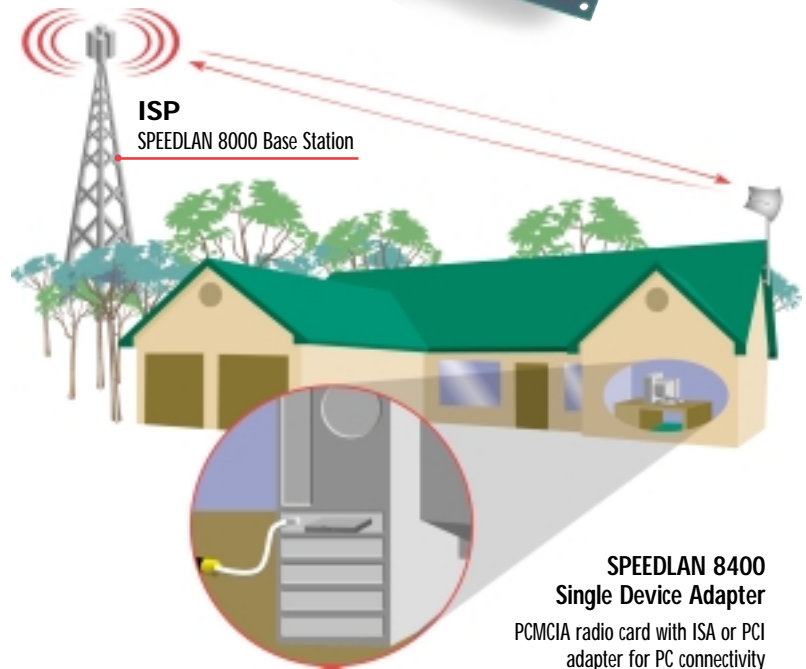
- 11 Mb radio
- 2.4 GHz
- Supports Windows 95, Windows 98, Windows NT, and Windows 2000
- Protocol transparent
- Secure transmissions
- One year warranty

SPEEDLAN Single Device Adapter Advanced Features

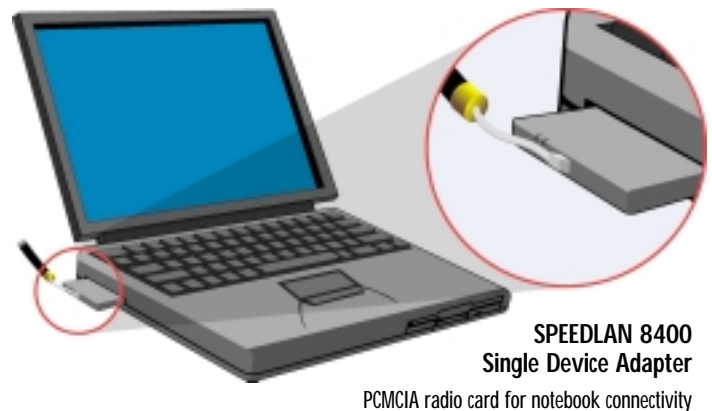
- Bandwidth allocation - configurable bandwidth from 1 Kb to 11 Mb for each subscriber

SPEEDLAN Single Device Adapter Benefits

- Cost effective
- Distances to 25 miles
- License-free
- Highly secure
- Easy implementation
- Re-deployable



OR for Notebook Users



WIRELESS NETWORKING

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SPEEDLAN 11 Mb Wireless Connectivity

SPEEDLAN 8000 Series

SINGLE DEVICE ADAPTERS TECHNICAL SPECIFICATIONS



Radio

Type	Direct Sequence Spread Spectrum
Frequency	2400-2483.5 MHz
Channels	11
Modulation	CCK at 11 Mb
Processing Gain	11 dB
Communication Method	Half-duplex
Transmit Power	15dBm
Receiver Sensitivity dBm	-93dBm
Delay Spread (at FER of <1%)	65ns
Power Consumption	
PC Card	Doze mode – 9 mA, Receiver mode – 185 mA, Transmit mode – 285 mA
ISA (5 V power supply)	+25mA

Wireless LAN Interface

Standard Wireless Interface	Single 11 Mb PC card, ISA, PCI
RF Physical Interface	OCX connector
Bit Error Rate	Better than 10 ⁻⁵
RF MAC Protocol	Campus PRC

Mechanical

Dimensions	117.8 mm X 53.95 mm X 8.7 mm (PC Card)
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Environmental

Temperature Range	0-55° (operational)
Humidity (non condensing)	0-95%

General

Range	Up to 25 miles (with amplifier)*
Compatibility	Windows 95/98/2000 and Windows NT (NDIS Miniport driver)
Standards	IEEE 802.3
Regulatory	Europe/APA: ETS 300-328, CE Marked USA: FCC 47 CFR Part 15C, Section 15.247 Canada: ISC RSS139 Japan: MPT Radio Regulations
Warranty	1 year depot warranty, extended warranty available

Options

*Remote Amplifier	Adds up to 1/2 watt for increased signal range
Wireless Encryption	USA and Canada only

Wave Wireless offers ISA and PCI adapters. Combined with the Single Device Adapter PCMCIA Card, these adapters allow you to use the card in desktop computers and workstations.

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