

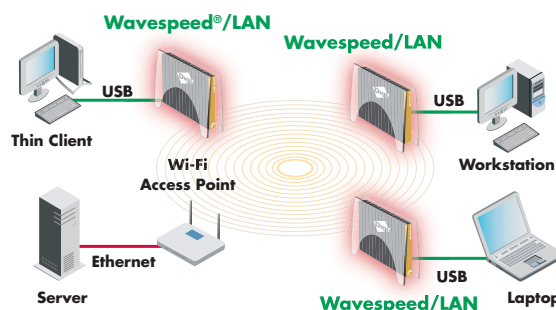
# Wavespeed®/LAN

USB to 802.11b Wireless Ethernet

USB-to-802.11b wireless LAN adapter offers an easy solution for adding a PC, laptop or thin client to the LAN.



## Wireless Networking



## Features/Benefits

- > Eliminates costs and hassles of implementing a wired network – without sacrificing performance
- > IEEE 802.11b compliant
- > Comprehensive OS support includes Windows NT®/NT Embedded, Windows Server™ 2003, Windows® CE, Windows XP/XP Embedded, Windows 2000/Me and Windows 9x
- > Combines ease and reliability of USB connectivity with flexibility and mobility of wireless networking
- > USB-powered – no external power supply required
- > Communication via access point or peer-to-peer mode
- > 64-bit and 128-bit WEP encryption for secure data transfer

## Overview

Wavespeed/LAN offers an easy solution for wireless networking, enabling a PC, thin client or laptop to connect to the LAN in minutes via USB. Fully compliant with the IEEE 802.11b wireless standard, Wavespeed/LAN provides a high-speed wireless LAN connection – without the overhead associated with implementing a wired network.

Wavespeed/LAN combines the ease and reliability of Plug and Play USB connectivity with the flexibility and mobility of wireless networking. Implement Wavespeed/LAN in mobile POS stations to increase customer convenience, or network multiple laptops or workstations in an office without having a sea of cables.

Wavespeed/LAN supports wireless communication via access point or peer-to-peer mode. It is USB-powered, so an external power supply brick is not required. Wired Equivalent Privacy (WEP) encryption ensures secure data transfer. Wavespeed/LAN is the first USB to wireless LAN adapter to support the full range of Windows platforms, including Windows NT 4.0, making it an ideal solution for mission-critical enterprise applications where reliability and data integrity are essential.

Digi International makes device networking easy by developing products and technologies that are cost-effective and easy to use. With over 20 million ports shipped worldwide, Digi has been offering the highest levels of performance, flexibility, and quality since 1985.



# Features/Specifications

## FEATURES

- IEEE 802.11b compatible
- USB 1.0 and 1.1 compatible; backwards compatibility for 2.0
- Plug and Play
- Direct Sequence Spread Spectrum (DSSS)
- 64-bit and 128-bit WEP encryption
- 11 channels
- Data rate: Auto, 1, 2, 5.5 and 11 Mbps
- Modulation
  - DPSK at 11 Mbps
  - DQPSK at 2 Mbps
  - CCK at 5.5 and 11 Mbps
- Frequency: 2.4 to 2.48 GHz
- Bit error rate: 1E-5 at -83 dBm
- 100 mW transmit power output
- Output power: 12 dBm typical
- Receiver sensitivity: -80 dBm minimum
- Current drain (typical): Transmit 480 mA; Receive 350 mA
- Coverage area indoors (close space)
  - 165 ft (50 m) at 11 Mbps
  - 265 ft (100 m) at 5.5 Mbps
- Coverage area outdoors
  - 500 ft (150 m) at 11 Mbps
  - 1,000 ft (300 m) at 5.5 Mbps
- Internal antenna
- Communication via access point or peer-to-peer mode
- LEDs for power status and link activity
- Field-upgradeable
- Includes 1-meter USB cable

## SUPPORTED PROTOCOLS

- TCP/IP
- NetBEUI
- IPX/SPX
- DLC and any supported by OS

## REGULATORY APPROVALS

- FCC Part 15, Class B
- CE
- UL 1950
- CSA No. 950

## OPERATING SYSTEMS

- Windows® XP, XP Embedded
- Windows NT 4.0, NT Embedded
- Windows Server 2003
- Windows CE
- Windows 2000, Me
- Windows 98, SE

## POWER REQUIREMENTS

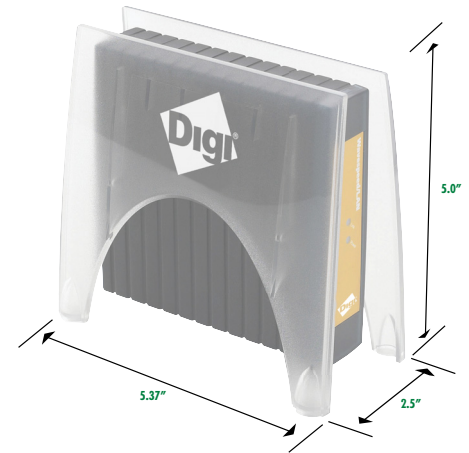
- USB-powered (no external power supply required)

## ENVIRONMENTAL

- Operating temperature: 0° to 55° C (32° to 131° F)
- Relative humidity: 0% to 95% (non-condensing)

## DIMENSIONS

- With Stand
- Length: 2.50 in (6.35 cm)
  - Width: 5.37 in (13.65 cm)
  - Height: 5.00 in (12.70 cm)
  - Weight: 8.50 oz (240.97 g)
- Without Stand
- Length: 1.06 in (2.69 cm)
  - Width: 4.31 in (10.95 cm)
  - Height: 4.50 in (11.43 cm)
  - Weight: 5.50 oz (155.95 g)



## MODEL.....PART NUMBERS

Model	North America	International
Wavespeed/LAN (USB-to-802.11b WLAN)	301-1117-01	not available
<b>Wavespeed/LAN Accessories</b>		
1-Meter USB Cable (A to B USB cable, 3.3 ft)	301-9000-01	301-9000-01
2-Meter USB Cable (A to B USB cable, 6.6 ft)	301-9000-07	301-9000-07
3-Meter USB Cable (A to B USB cable, 9.8 ft)	301-9000-06	301-9000-06
4-Meter USB Cable (A to B USB cable, 13 ft)	301-9000-10	301-9000-10
5-Meter USB Cable (A to B USB cable, 16.4 ft)	301-9000-02	301-9000-02
USB Repeater/Extender Cable (A to A extender, 16.4 ft)	301-9002-01	301-9002-01
USB 1.1 Upgrade Kit (PCI to USB 1.1 card)	301-1101-01	301-1101-01

## DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. <http://support.digi.com>

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