

Datasheet_WNC-0300USB

54Mbps Wireless USB Adapter

The **LevelOne's** WPC-0300USB is a USB 2.0 interface adapter for USB port enabled desktop or notebook PC. The WPC-0300USB is fully compliant with the IEEE 802.11g standard to deliver the data rate up to 54Mbps at 2.4GHz frequency. The included setup wizard walks you through configuring the adapter to your wireless network easily and quickly. Wireless security is protected with the standard 64/128 WEP encryptions, WPA, and further enhanced with 802.1x user authentication. With the WPC-0300USB wireless USB adapter, users cannot only extend the mobility and continuously connect to internet wirelessly but also establish a secure wireless network by adopting the cost-effective solution.



Key Features

- Compliance with IEEE 802.11g and 802.11b standards
- Highly efficient design mechanism to provide unbeatable performance
- Achieving data rate up to 54Mbps for 802.11g and 11Mbps for 802.11b with wide range coverage
- Strong network security with WEP support
- Auto-switch between the two standards, IEEE 802.11b and 802.11g
- Driver/Utility support most commonly used operating systems including Windows 2000 and Windows XP.

Technical Specification

- Standard Conformance:
 - IEEE 802.11b/g
 - USB 2.0
- Data Transaction Rate with Auto Fallback:

1Mbps	2Mbps
5.5Mbps	6Mbps
9Mbps	11Mbps
12Mbps	18Mbps
24Mbps	36Mbps
48Mbps	54Mbps
- Media Access Control:
 - CSMA/CA with ACK
- Frequency Range:
 - 2.4GHz to 2.462GHz
- Modulation Technology:
 - Orthogonal Frequency/Division Multiplexing (OFDM)
 - Complementary Code Keying (CCK)
- Antenna Type:
 - Omni Directional
- Transmitter Output Power:
 - 15dBm±2dB
- Receiver Sensitivity:

1Mbps BPSK	2Mbps QPSK
5.5Mbps CCK	6Mbps OFDM
9Mbps OFDM	11Mbps CCK
12Mbps OFDM	18Mbps OFDM
24Mbps OFDM	36Mbps OFDM
48Mbps OFDM	54Mbps OFDM
- Access Range:
 - Indoors: Up to 328 feet (100 meters)
 - Outdoors: Up to 1.312 feet (400 meters)
- Wireless Security:
 - 64/128-bit WEP encryption, 802.1x and WPA
- Temperature:
 - Operating: 32F ~ 131F (0C ~55C)
 - Storing: 4F ~ 167F (20C ~ 75C)
- Humidity:
 - 95% maximum (non-condensing)
- Dimension:
 - 51mm(W)*76mm(D)*14mm(H)
- EMI and Safety:
 - FCC Class A, CE

Ordering Information

WNC-0300USB :54Mbps Wireless USB Adapter

