300Mbps *N_Max* Wireless PCI Card

WNC-0610

H/W Version: 1

LevelOne *N_Max* Wireless Series

The LevelOne *N_Max* Wireless series of network products provide users with more than just high-speed wireless network connections. Apart from delivering speeds of up to 300Mbps, the *N_Max* series provides an extended wireless network coverage area and enables users to enjoy multi-media streaming and other bandwidth demanding applications such as VoIP, Internet video conferencing and network gaming.

Connect Wirelessly at Wire-speed

The LevelOne *N_Max* Wireless PCI Card for desktop computers provides users with wireless network speeds that are faster than traditional 100Mbps LAN connections. With wireless network connectivity exceeding traditional 10/100Mbps connectivity, users can now enjoy the freedom of non-wired network connections.
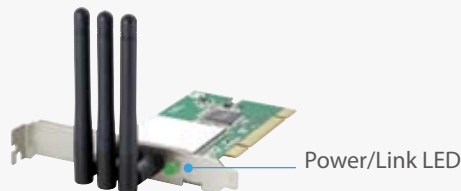
Extended Wireless Coverage

The WNC-0610 Wireless PCI Card enables desktop computer users to connect to the LevelOne N_Max Wireless Broadband Router or other wireless Access Points at further distances than before. This feature is extremely useful for large area home and office users that have difficulty connecting to their wireless networks.

Network Security

The WNC-0600 *N_Max* Wireless PCI Card supports an array of standard and advanced network security features. It supports 64/128-bit WEP encryption as well as WPA and WPA2 security protocols for a secured connection to secured Wireless network.

* Network speeds vary according to network equipment, network set-up and environmental influence factors. For best performance, use LevelOne *N_Max* Wireless Broadband Router.

Power/Link LED

Key Features

- 3 antennas with 2T/3R MIMO Technology for wireless data rates of up to 300Mbps
- Compatible with IEEE 802.11n and backward compliant with 802.11g and 802.11b Wireless standards
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supporting WPA, WPA2 and 64/128-bit WEP Encryption
- Three 2dBi dipole antennas with SMA connector
- Supports Wi-Fi Protected Setup (WPS)
- Provides for extended network area connectivity over greater distances
- Drivers support Windows 2000/XP/Vista/7
- Easy to install and configure with the included software and Windows Utility.

Works Well With

WAP-6011
300Mbps *N_Max* Wireless Access Point

WBR-6011
300Mbps *N_Max* Wireless Router

Technical Specification

Standard
IEEE 802.11b
IEEE 802.11g
IEEE 802.11n

Radio Technology
IEEE 802.11g / IEEE 802.11n Orthogonal Frequency Division Multiplexing (OFDM)
IEEE 802.11b: Direct Sequence Spread Spectrum (DSSS)

Interface
32-bits PCI Bus

Transmission Rate
1, 2, 5.5, 6, 11, 12, 18, 22, 24, 30, 36, 48, 54, 60, 90, 120, 180, 240, 270, 300Mbps (auto sense)

Receiver Sensitivity
300Mbps: Typical - 65dBm @ 10% PER
54Mbps: Typical - 70dBm @ 10% PER
11Mbps: Typical - 85dBm @ 8% PER

Modulation Schemes
DBPSK/DQPSK/CCK/OFDM
(BPSK/QPSK/16-QAM/64-QAM)

Media Access Protocol
CSMA/CA with ACK

Transmit Power
17dBm typically @ 802.11b
13dBm typically @ 802.11g
13dBm typically @ 802.11n

Channel
USA: 11
Europe: 13
Japan: 14

Driver Support
Windows 2000/XP/Vista/7

Security
64/128-bits WEP Encryption
WPA-PSK, WPA2-PSK, WPA, WPA2

Wireless LAN Frequency Range
2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

Antenna
Three 2dBi detachable dipole antennas with SMA connector

Continuous Current Consumption
480mA/480mA typ. for receive/transmit mode @ 802.11b
490mA/450mA typ. for receive/transmit mode @ 802.11g
550mA/630mA typ. for receive/transmit mode @ 802.11n

Dimensions (W x H x D)
120 x 96x 1.7 mm
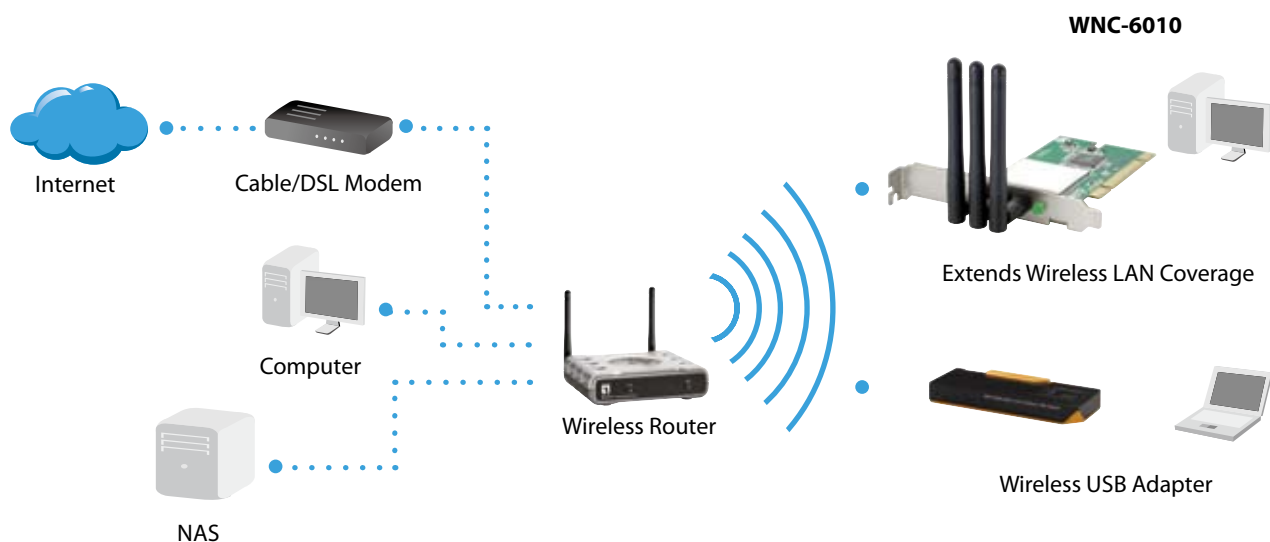
Temperature
Operation 0 ~ 40℃
Storage -10 ~ 70℃

Humidity
10% ~ 95% RH, no condensation

Certifications
FCC Part 15.247 for US
ETS 300 328 for Europe

Product Diagram

WNC-6010

Internet

Cable/DSL Modem

Computer

NAS

Wireless Router

Extends Wireless LAN Coverage

Wireless USB Adapter

Order Information   **WNC-0610:** 300Mbps *N_Max* Wireless PCI Card

Package Contents   WNC-0610, Quick Installation Guide, CD Manual / Utility