

## N\_One Wireless PCI Card

### LevelOne N\_One Wireless Series

The LevelOne N\_One 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\_Ones FreeCon series provides an extended wireless network coverage area and enable 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\_One Wireless PCI Card for desktop computers provides users with wireless networks 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\*.

Apart from being compliant with the latest Draft 802.11n standard, the WNC-0600 Wireless PCI Card is also backward compliant with 802.11g and 802.11b wireless network standards.

### Extended Wireless Coverage

The LevelOne WNC-0600 Wireless PCI Card enables desktop computer users to connect to the LevelOne N\_One Wireless Broadband Router or other wireless Access Points at farther distances than before. With multiple antennas and an antenna extension cord and antenna stand the N\_One Wireless PCI Card allows for improved signal transmission and receiving over extended areas. 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\_One 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\_One Wireless Broadband Router.

\* For maximum wireless network performance, use the LevelOne WBR-6000 N\_One Wireless Broadband Router



**WNC-0600**

### Related Products



**WPC-0600**  
N\_One Wireless CardBus Adapter



**WNC-0600USB**  
N\_One Wireless USB Adapter



**WBR-6000**  
N\_One Wireless Broadband Router

## Key Features

- Enjoy simultaneous multi-media streaming, gaming, VoIP, Internet surfing and file transfer with LevelOne N\_One Technology
- Experience superior Wireless connectivity at network speeds of up to 300Mbps
- Features advanced Wireless Network Security supporting WPA, WPA2 and 64/128-bit WEP Encryption
- Support Wi-Fi Protected Setup (WPS)
- Easy to install and configure with the included software and Windows Utility.
- Backward compliant with 802.11g and 802.11b Wireless standards
- Provides for extended network area connectivity over greater distances

## Technical Specification

### Standard Compliant

IEEE 802.11n Draft 2.0 Specification  
IEEE 802.11g,  
IEEE 802.11b

### Computer Slot Type

32-bit PCI Card

### Radio Operation

- **Data Transfer Rate**  
Draft 802.11n: 300 ~ 27 Mbps  
802.11g: 54 ~ 6 Mbps  
802.11b: 11 ~ 1 Mbps
- **Number of Channels**  
Ch.1 ~ 11 USA  
Ch.1 ~ 13 EU, Japan
- **Operating Frequency**  
2.4 ~ 2.4835 GHz
- **Transmitter Power:**  
Draft 802.11n: 16.5±2 dBm  
802.11g: 13.5±2 dBm  
802.11b: 16±2 dBm
- **Modulation Technique**  
Draft 802.11n: BPSK, QPSK, 16-QAM, 64-QAM  
802.11g: OFDM  
802.11b: CCK, QPSK, BPSK
- **Media Access Protocol**  
CSMA/CA

### Network Security

- **Wireless Security**  
WEP 64/128-bit Web share key encryption  
802.1x  
WPA, WPA2  
128-bit TKIP/AES encryption  
EAP-TLS and PEAP authentication  
WPS

### Software Specification

- **OS Supported**  
Windows 2000/XP/Vista
- **Device Management**  
Windows Utility Software

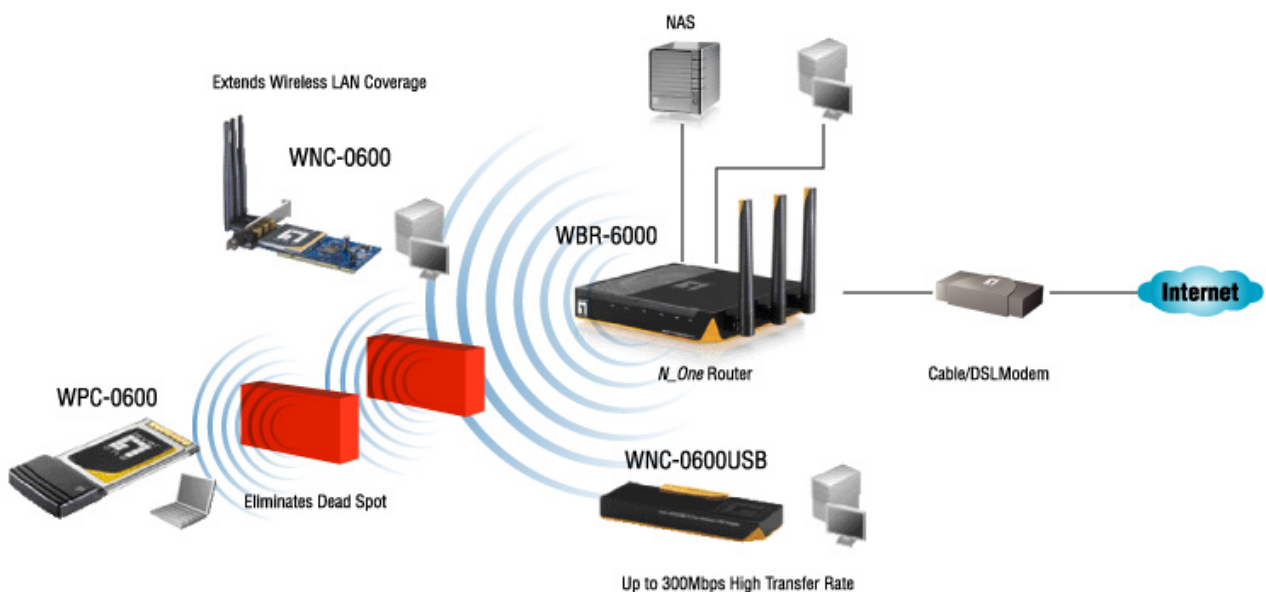
### Physical Specifications

- **Power Requirement**  
3.3V±5%
- **Operating Temperature**  
0°C ~ 55°C / 85% Humidity
- **Dimensions**  
120mm(W) \* 65mm(D) \* 18mm(H)

### Certifications

- CE, FCC

## Product Diagram



## Order Information

**WNC-0600:** N\_One Wireless PCI Card

For more information, please contact your LevelOne representative, or visit [www.level1.com](http://www.level1.com)  
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