

## N\_One Wireless Broadband Router

### N\_One Wireless Broadband Router Overview

The LevelOne N\_One Wireless Broadband Router provides users with more than just high-speed wireless connections. Apart from delivering speeds of up to 300Mbps\*, the WBR-6000 broadband router provides an extended wireless network coverage area.

The WBR-6000 N\_One Wireless Broadband Router is compliant with the latest draft 802.11n standard and is backward compliant with 802.11b and 802.11g network devices.

### Stream Multimedia Applications to Multiple Users

The WBR-6000 Wireless Broadband Router allows for true high-speed wireless connectivity between network router and network adapter. This enables multiple users to access the wireless network simultaneously while enjoying fast connection speeds that are able to stream multimedia packets effortlessly.

The N\_One Broadband Router is designed with home and small office users in mind that want enjoy audio/video streaming and gaming applications, Internet calling (VoIP) and high-speed file sharing among the network. Also, users can now with confidence deploy a home or office IP-based wireless surveillance solution without fear of unavailable bandwidth.

### Network Security

The WBR-6000 N\_One Wireless Broadband Router provides advanced wireless network protection with 64/128-bit WEP encryption, WPA and WPA2. Also, the WBR-6000 provides a double firewall with NAT and SPI firewall protection against DoS attacks and unauthorized packet deliveries from the Internet.

Set-up and configuration of the security features are managed with the easy to use and explanatory Web-based user-interface.

### Connect at Wire-speed

The LevelOne N\_One Wireless Broadband Router provides home and small office wireless networks with speeds faster than the traditional 100Mbps LAN networks. This enables several users to share files, run streaming applications and surf the web simultaneously within the same network at speeds not possible on a traditional LAN.

\* Network speeds vary according to network equipment, network set-up and environmental influence factors. For best performance, use LevelOne N\_One Wireless Network Adapters.



**WBR-6000**

### Related Products



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



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



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

## Key Features

- Enjoy multi-media streaming for multiple users with LevelOne N\_One Technology
- Experience superior Wireless connectivity at network speeds of up to 300Mbps
- Keep the network secured with advanced Wireless Network Security supporting WPA, WPA2 and 64/128-bit WEP Encryption
- Quick to set-up and share a single Internet connection among a small network
- Features an easy to user Web-based user interface for standard and advanced configuration
- Backward compliant with 802.11g and 802.11b Wireless standards
- Supports WPS (Wi-Fi Protected Setup) and Qos

## Technical Specification

### Standard Compliant

IEEE 802.11n Draft 2.0 Specification  
 IEEE 802.11g,  
 IEEE 802.11b  
 IEEE 802.1x,  
 IEEE 802.3  
 IEEE 802.3u

### Network Interface

WAN: 1x 10/100 Mbps Auto-MDIX RJ-45 Port  
 LAN: 4x 10/100 Mbps Auto-MDIX RJ-45 Port

### AP Radio Operation

- **Data Transfer Rate**  
 Draft 802.11n: 300 ~ 108 Mbps  
 802.11g: 54 ~ 6 Mbps  
 802.11b: 11 ~ 1 Mbps
- **Bandwidth**  
 Draft 802.11n: More than 160Mbps  
 802.11g: More than 20Mbps  
 802.11b: More than 5Mbps
- **Transmission mode**  
 Draft 802.11n: OFDM  
 802.11g: OFDM  
 802.11b: CCK, DQPSK, DBPSK
- **Modulation system**  
 Draft 802.11n: BPSK, QPSK, 16-QAM, 64-QAM, OFDM  
 802.11g: BPSK, QPSK, 16-QAM, 64-QAM, OFDM  
 802.11b: DBPSK, DQPSK, CCK
- **Number of Channels**  
 Ch.1 ~ 13 on 2.4GHz ~ 2.485GHz frequency
- **Access Method**  
 CSMA/CA
- **Antenna**  
 3 x 2dbi fixed antennas
- **Transmitter Power:**  
 17dBm ~ 20dBm
- **Transmission Range:**  
 Indoor: 200 ~ 280 meters  
 Outdoor: 400 ~ 600 meters

### Network Security

- **Wireless Security**  
 WEP 64/128-bit Web share key encryption  
 WPA-PSK, WPA2-PSK  
 WPA-TKIP, WPA-AES  
 SSID Broadcast On/Off
- **Firewall**  
 NAT (Network Address Translation)  
 SPI (Statefull Packet Inspection)  
 MAC address filtering
- **VPN Support**  
 IP Sec, PPTP, L2TP pass through

### Software Specification

- **OS Supported**  
 Windows 2000(SP4)/XP(SP1 & SP2)/Vista/MAC OS X/Linux
- **Device Management**  
 Web-based user interface
- **Firmware Upgrade**  
 Method of up-grade HTTP via Web

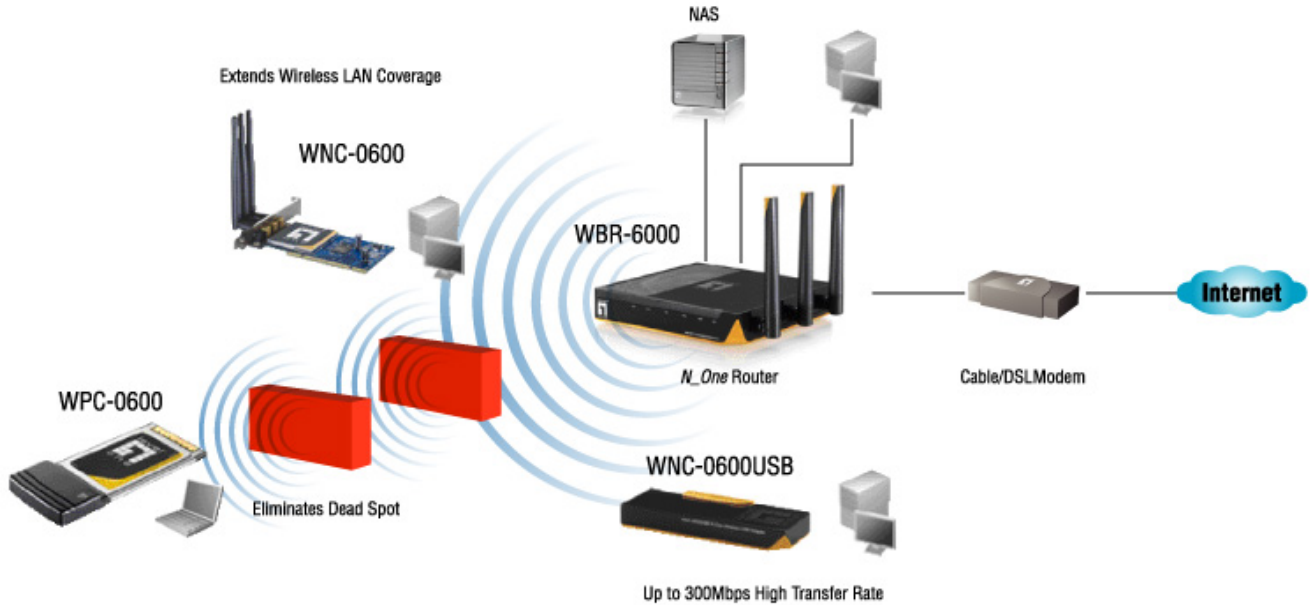
### Physical Specifications

- **LED's**  
 Power  
 Internet Connection  
 WAN Connection  
 LAN Connection  
 Wireless Connection  
 Security On/Off
- **Power Adapter**  
 12VDC 1A External
- **Operating Temperature**  
 0°C ~ 40°C / 85% Humidity
- **Storage Temperature**  
 -10°C ~ 70°C / 95% Humidity
- **Dimensions**  
 154mm(L) \* 143mm(W) \* 30.5mm(H)

### Certifications

- EMI standard
- CE, FCC

### Product Diagram



### Order Information

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

**For maximum wireless network performance, choose among these LevelOne N\_One Wireless Network Adapter:**

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

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

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

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