



WRE-6001C [redacted] [redacted]: 1

# Wireless Range Extender, 300Mbps 802.11b/g/n, EU Power Plug

The LevelOne WRE-6001C is a versatile, easily deployed WiFi range extender that offers excellent speed and security for expanding a home or office network. Designed for mounting to a wall, the WRE-6001C can be deployed in a convenient area, maintaining a low profile while extending the range of the WLAN. Clever engineering allows for a simple push-button setup, and with three levels of security (WPA-PSK, WPA2-PSK and WEP), the device offers uncompromising security and quality in a simple set-and-forget package.



- 1. LED Indicators
- 2. WPS Button
- 3. Reset Button
- 4. RJ-45 Ethernet Port
- 5. Power Plug

## Key Features

- Provides stable signals and extends coverage
- [redacted] [redacted] 300Mbps [redacted]
- IEEE 802.11b/g/n [redacted] [redacted] [redacted]
- WPS [redacted] [redacted] [redacted] [redacted] [redacted]
- WPA/WPA2-PSK [redacted] 64/128-[redacted] WEP [redacted] [redacted] [redacted]



## System Specifications

### Standards & Protocols:

- IEEE 802.3 10-BASE-T, Ethernet
- IEEE 802.3u 100-BASE-TX, Fast Ethernet
- IEEE 802.11e Wi-Fi Multimedia (WMM)
- IEEE 802.11i Wi-Fi Protected Access (WPA2)
- IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking

**Connectors and Cabling:**

1x 10/100Mbps Base-TX

**Button:**

WPS Button

Reset Button

**Indicator:**

Power, Wifi signal, WPS, LAN,

**Power:**

Power plug (110~ 220V)

## Wireless

**Operating Mode:**

Repeater Mode

**Encryption:**

WEP 64/128-bit Web share key encryption

WPA, WPA2-PSK TKIP/AES encryption

**Receive Sensitivity(dBm):**

802.11n (20MHZ): Range (-72 ~ -87) dBm

802.11n (40MHZ): Range (-68 ~ -87) dBm

802.11g: Range (-72 ~ -91) dBm Error Rate = 10% at room temperature  
802.11b: Range (-89 ~ -91) dBm Error Rate = 8% at room temperature

**Channel:**

Ch.1 ~ 11 USA

Ch.1 ~ 13 EU

**EIRP(dBm):**

(Controllable for different country regulations)

802.11n: up to 14dBm ± 1dBm

802.11g: up to 15dBm ± 1dBm

802.11b: up to 18dBm ± 1dBm"

**Antenna:**

2 PCB antenna 3dbi

**Frequency Band (GHz):**

2.4 ~ 2.4835 GHz

**Data Transfer Rate:**

802.11n: 300 ~ 78 Mbps

802.11g: 54 ~ 6 Mbps

802.11b: 11 ~ 1 Mbps"

## Features

**General:**

Auto Channel Selection

**Security:**

Wi-Fi Protect Setup (WPS) Push Button

SSID Broadcast On/Off

Wireless Isolation

**Management:**

Web-Based GUI Configuration

**QoS:**

802.11e WMM Supported

### Ease of Use:

Web-based GUI with Quick Installation Wizard  
Web-based (HTTP) firmware upgrade

## Performance

Number of Clients:  
20

## Environment

### Temperature (°C):

Operating: 0°C ~ 40°C,  
Storage: -10°C ~ 70°C

### Humidity (Non-condensing):

Storage: 0 ~ 95%  
Operating: 10 ~ 90%

## Others

Approval and Compliance:  
CE, FCC



## Order Information

WRE-6001C

## Package Contents

WRE-6001C  
RJ45 Network Cable  
Quick Installation Guide

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