

# **DN-W01 \_Product Specifications**

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# DN-W01 Product Specifications

## Introduction

The DN-W01 is a wireless area network (WLAN) access point (AP). It provides high access to the Internet, downstream up to 150 Mbps and upstream up to 150 Mbps. Utilizing 802.11 b/g/n wireless technology, the computers and devices with WiFi functionality can wirelessly connect to the DN-W01 and share high speed Internet connection. The DN-W01 supports DHCP client and DHCP server. It also supports NAT and NAPT functions. As a DHCP client, it can dynamically obtain external Internet IP address. As a DHCP server, it can dynamically assign local IP address to the associated wireless stations and wired LAN port PCs. NAT and NAPT functions implement local IP address and external IP address conversion.

The DN-W01 is an ideal wireless broadband solution for both home users who wish to share high-speed wireless Internet access and small offices which wish to do business on the Internet.

## Application

- Home and SoHo wireless gateway
- Small enterprise
- Higher data rate broadband sharing
- Broadband Internet access sharing
- Audio and video streaming and transfer
- PC file and application sharing
- Network and online gaming

## Parameter and Specification

Parameter	Specification
<b>System Spec</b>	
Chipset	RT 3050
SDRAM	16M
Serial Flash	2M
<b>Feature and Technology Spec</b>	
Protocol	<ul style="list-style-type: none"> <li>● IEEE 802.11b</li> <li>● IEEE 802.11g</li> <li>● IEEE 802.11n</li> <li>● RFC768 User Datagram Protocol (UDP)</li> <li>● RFC791 Internet Protocol (IP)</li> <li>● RFC792 Internet Control Message Protocol (ICMP)</li> <li>● RFC793 Transmission Control Protocol (TCP)</li> <li>● RFC826 Address Resolution Protocol (ARP)</li> <li>● RFC2516 PPP over Ethernet (PPPoE)</li> <li>● RFC2131 Dynamic Host Configuration Protocol (DHCP)</li> <li>● Support ALG</li> </ul>
System Support	Windows 2000, Windows ME, Windows XP 32/64 bit and Windows Vista 32/64bit
Modulation Schemes	Support 256/64/16/8-QAM, QPSK, BPSK, MCS0 ~ MCS15
Encryption	4/128 bit, WEP, 802.1x, WPA, and WPA2 wireless encryption
QoS	Support Differentiate Services
SNMPv2 or v3	Support
Ethernet Interfaces	1 x RJ45 for 10/100 LAN Ethernet Port 1 x RJ45 for 10/100 WAN Ethernet Port
LEDs	<ul style="list-style-type: none"> <li>● Power</li> <li>● WLAN</li> <li>● WPS</li> <li>● WAN</li> </ul>
Consumption	4W
<b>Environment Requirement</b>	
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Operating Humidity	10%~90%, non-condensing
Storage Humidity	5%~90%, non-condensing
Power Supply	<ul style="list-style-type: none"> <li>● Input power: 100-240VAC, 50/60Hz</li> <li>● Output power: 12VDC/500mA</li> </ul>

<b>Parameter</b>	<b>Specification</b>
<b>EMC and Safety</b>	
Regulatory Compliance	<ul style="list-style-type: none"><li>● FCC Part 15 Class B</li><li>● CE</li></ul>
Safety Regulations	UL
Green Standard	RoHS
<b>Physical Dimension</b>	
Physical Characteristics	
Weight	