



User friendly utility



Robust WLAN Security



Enhance Performance



Quick & Easy Secure Wireless Setup

## 802.11n 150 Mbps Wireless Access Point DG-WA1000N

**DIGISOL** wireless Access Point DG-WA1000N enables communication between wireless and wired notebooks/desktop computers in the network. It complies with IEEE 802.11n standard and is backward compatible with IEEE 802.11b/g standard. The DG-WA1000N wireless Access Point can provide wireless data transmission rate up to 150Mbps which enhances the sharing of files, photo, audio, video and gaming experience over wireless network.



### Product Features & Compliances

- ✘ Web Configuration
- ✘ In-built RADIUS Server
- ✘ Supports WDS Bridge Mode
- ✘ Supports QoS - WMM function
- ✘ Supports Multiple Sets of ESSID
- ✘ Supports Robust WLAN Security
- ✘ Supports WPS function with push button
- ✘ Supports WLAN network speed up to 150Mbps

## In-built RADIUS Server

The DG-WA1000N Wireless Access Point has an internal RADIUS server for authenticating the wireless clients which provides additional level of network security and allows user access control in LAN.

## Supports QoS - WMM

The DG-WA1000N wireless Access Point supports WMM (Wi-Fi Multimedia) technology, which can enhance the performance by applying QoS for certain network applications like audio/video streaming, VoIP and others. With WMM function, the wireless Access Point assigns priority to different types of data for better application performance.

## Supports WDS Bridge Mode (Repeater mode)

In addition to the point-to-point and point-to-multi point bridge function of the Access Point, the WDS (Wireless Distributed System) function allows the DG-WA1000N to act as a WLAN Access Point and repeater at the same time. Users can use this feature to setup a wireless network in a large space like airports, hotels and schools, etc. This feature is also useful when users want to bridge networks between buildings, where it is not possible to deploy network cable connections between these buildings.

## Supports Multiple Sets of ESSID

The DG-WA1000N Wireless Access Point supports upto four SSIDS. In addition to the main SSID, three more SSIDS can be configured each SSID can have its own unique profile of QOS & Security.

## Robust WLAN Security (WPA, WPA2, RADIUS, MAC filtering)

The robust security feature available in DGWA1000N helps to protect sensitive data from hackers and also maintain confidentiality of the Wireless Network. This is achieved by using security protocols ranging from 64/128 bit WEP encryption (first level of Security) to WPA2 Enterprise (highest level).

## Quick & Easy Secure Wireless Setup

The DG-WA1000N Wireless Access Point supports WPS (Wi-Fi Protected Setup), which simplifies wireless client setup procedures (using push button), so that even a novice user can setup a secured wireless network.

## Web Configuration

You can access the DG-WA1000N Wireless AccessPoint through a user friendly web-based GUI (Graphical User Interface) for network configuration and management purposes.

## Technical Specifications

### Hardware specifications

- Flash: 4MB
- RAM: 16MB SDRAM
- LAN: One 10/100Mbps UTP port
- Antenna: One detachable dipole 3dBi antenna

### Standards compliance

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- IEEE 802.1x RADIUS authentication

### WLAN data transfer rates

- IEEE 802.11b up to 11Mbps
- IEEE 802.11g up to 54Mbps
- IEEE 802.11n up to 150Mbps

### Output power

- IEEE 802.11b: 17dBm  $\pm$  1dBm
- IEEE 802.11g: 15dBm  $\pm$  1dBm
- IEEE 802.11n: 14dBm  $\pm$  1dBm

### Status LEDs

- Power
- WLAN
- LAN

### Regulations approvals

- FCC part 15 Class B
- CE

### Environmental Specifications

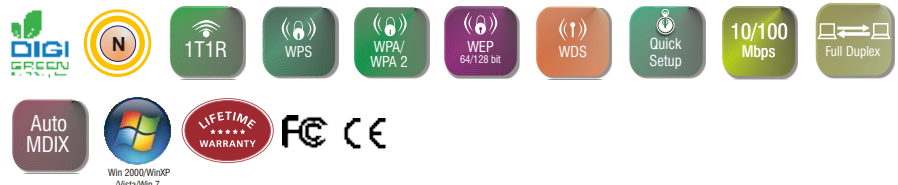
- Temperature
- Operating temperature: 0°C ~ 40°C
- Operating humidity: 0% ~ 90% (non condensing)

### Power supply

- 5V DC, 1A switching power adapter

### Dimensions

- Net dimensions: (l $\times$ w $\times$ h) 143x108x35 mm
- Gross dimensions: (l $\times$ w $\times$ h) 276x210x70 mm



## Ordering Information:

### DG-WA1000N: DIGISOL 802.11n 150Mbps Wireless Access Point

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