DIGISOL™

Supports WDS Bridge Mode
The WDS (Wireless Distributed System) function allows the DG-WA3002NP to act as a Access Point and wireless repeater at the same time. This feature is useful when users want to bridge networks between buildings, where it is not possible to deploy any wired connections. This feature is useful typically in sites like airports, hotels and schools, etc.

Quick & Easy Setup of Secured Wireless Network
DG-WA3002NP supports WPS (Wi-Fi Protected Setup) function, it simplifies the procedure to setup a secured wireless network. By pressing a WPS button on the unit, DG-WA3002NP can wirelessly associate itself with another WPS enabled network device securely.

Robust WLAN Security
DG-WA3002NP has a robust WLAN security to protect sensitive data from hackers and also maintain confidentially 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).

Energy Efficient
DG-WA3002NP is an energy efficient Access Point which saves power by using advanced power saving technology. When the wireless radio is idle i.e no wireless client is associated with the Access Point then it saves power by off-loading CPU. The smart transmit power control mechanism in the Access Point optimizes the transmit power depending upon the distance of the wireless clients from the Access Point.

300Mbps Wireless Access Point with PoE
DG-WA3002NP

DIGISOL Wireless Access Point DG-WA3002NP 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-WA3002NP wireless Access Point can provide wireless data transmission rate up to 300Mbps which enhances the sharing of files, photo, audio, video and gaming experience over wireless network.

DG-WA3002NP supports PoE, which helps in easy installation by eliminating the need of a dedicated power source for the Access Point.

Product Features & Compliances
• Ceiling Mount Access Point
• Wireless Speed up to 300Mbps
• Supports WDS Bridge Mode
• Robust WLAN Security
• Integrated Internal Antenna
• Supports Power-over-Ethernet
• Quick & Easy Setup of Secured Wireless Network
• Energy Efficient

DIGISOL™ RANGER

DG-WA3002NP

Technical Specifications

Hardware specifications:
- Antenna: PiFa Antenna x 2 (2T2R MIMO Technology)
- One 10/100Mbps UTP Port (Auto MDI/MDI-X) for LAN
- One WPS push button
- Flash: 2MB
- SDRAM: 16MB

Frequency band:
- 2.4000 ~ 2.4835GHz (Industrial Scientific Medical Band)

Standard compliance:
- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE802.11b
- IEEE802.11g
- IEEE802.11n
- RADIUS (IEEE802.1x)

Data rate:
- IEEE802.11b: 1/2/5.5/11Mbps
- IEEE802.11g: 6/9/12/24/36/48/54Mbps
- IEEE802.11n (20MHz): MCS0-15, up to 144Mbps
- IEEE802.11n (40MHz): MCS0-15, up to 300Mbps

Output power:
- IEEE802.11b @ 11Mbps: 26 +/- 1.5dBm
- IEEE802.11g @ 54Mbps: 24 +/- 1.5dBm
- IEEE802.11n (20MHz) @ MCS15: 23 +/- 1.5dBm
- IEEE802.11n (40MHz) @ MCS15: 23 +/- 1.5dBm

Wireless Modes:
- Access Point
- Wireless Client
- Point to Point
- Point to Multi Point
- WDS
- Universal Repeater

Wireless Security:
- WEP
- WPA
- WPA2
- IEEE802.1x

Power:
- 5V DC, 2A Switching Power Adapter
- IEEE802.3af Power-over-Ethernet

Environmental Specifications
- Operating temperature: 32~104°F (0~40°C)
- Operating humidity: 10~90% (Non-Condensing)
- Storage temperature: -4~140°F (-20~60°C)
- Storage Humidity: Max. 95% (Non-Condensing)

Certification:
- FCC part 15 Class B
- CE

Warranty
- DIGICARE Lifetime Warranty

Ordering Information:

DG-WA3002NP: DIGISOL 802.11N 300Mbps Ceiling Mount Wireless Access Point with PoE.

**Please refer warranty document on www.digisol.com