

## MESH-2100-GE



### Ethernet WiFi Client

The MESH-2100-GE from DZS is the ideal solution for building a carrier-class Wi-Fi Network for home users.

#### Features & Benefits

- + Functions as a Client to Home Gateway ONT
- + One gigabit multi-rate 10/100/1000M Ethernet WAN port
- + Two gigabit multi-rate 10/100/1000M Ethernet interfaces
- + Dual-band 2.4GHz 2x2 802.11n, 5GHz 3x3 802.11ac Carrier-grade Wi-Fi 5 interfaces
- + Up to 2100Mbps aggregate Physical Rate
- + Explicit and Implicit Beamforming Technology
- + Easy Device Setup and Installation

The MESH-2100-GE from DZS is the ideal solution for building a carrier-class Wi-Fi Network for home users. Exclusively designed for powerful coverage, the MESH-2100-GE is equipped with 802.11n and 802.11ac wireless radios able to provide 2100Mbps dual band concurrent wireless rates.

Using the latest technology advances, the MESH-2100-GE, with its 4T4R 5.0GHz Multi-User MIMO Wireless AC Technology, allows users to enjoy and maximize the full benefits of the 802.11ac wireless standard by delivering unparalleled network performance to all wirelessly connected devices. This technology intensively enhances wireless performance when there are multiple devices connected to the wireless network.

# MESH-2100-GE

## Easy to Set-up and Use

Designed to find its way to keep you connected through the advanced mesh technology, the MESH-2100-GE circumvents coverage, robustness and capacity limitations imposed on wireless home networks by the conventional star topology giving you a premium Wi-Fi experience

Eliminate the hassle of setting up a Mesh network. The MESH-2100-GE is so simple to install that the task may be completed in a matter of minutes with no advanced technical knowledge. No need for manual configuration, each MESH-2100-GE will auto-detect its role and auto-configure itself.

## Key Service Attributes

- + One 10/100/1000MBase-T Ethernet WAN port, RJ45, 1Gbps symmetrical services
- + Two 10/100/1000MBase-T Ethernet ports, RJ45 supporting 1Gbps symmetrical services
- + 2.4GHz 2x2 802.11n, 20MHz and 40MHz channels
- + 5GHz 4x4 802.11ac, 20MHz, 40MHz and 80MHz channels
- + Downstream MU-MIMO
- + +12 VDC power source

# MESH-2100-GE

## Product Specifications

### Hardware

- + Dimensions
  - Width: 5.9" (150mm)
  - Depth: 5.5" (140mm)
  - Height: 1.3" (33mm)
- + Weight 0.52 LB (0.24 kg)
- + 512MB Flash Memory
- + 512MB SDRAM (DDR)
- + Capacity: 1.0Gbps Down/1.0Gbps Up

### Interfaces

- + WAN: 1 port 10/100/1000MBase-T Ethernet (RJ45)
- + LAN: 2 ports 10/100/1000MBase-T Ethernet (RJ45)
- + Power: 1 2-pin barrel connector
- + WiFi push button setup (WPS)
- + Mesh link button
- + Recessed RESET button

### Ethernet LAN ports

- + Auto-MDI-X crossover control
- + Auto-Speed or manual selection
- + IEEE 802.3ab 1000Base-T
- + IEEE 802.3u 100Base-T
- + IEEE 802.3az IEEE

### Wireless

- + 2.4GHz 2x2 802.11n MIMO
- + 5GHz 4x4 802.11ac MU-MIMO
- + SSIDs: 4x2.4GHz, 4x5GHz
- + Devices per radio: 64
- + Authentication WEP, WPA-PSK, WPA2-PSK, WPA-802.1x, WPA-802.1
- + Encryption: WEP (64-bit, 128-bit), AES, TKIP+AES
- + WPS modes: Push-button, API PIN, STA PIN
- + RADIUS Server support
- + MAC filtering
- + Wireless bridge mode

### Environmental

- + Operating Temperature 32~104°F (0~+40°C) Commercial
- + Storage temperature -49~158°F (-40~70°C)
- + Operating humidity 5 to 90% (non-condensing)
- + Altitude: -200 to 10,000 feet (-61 to 3,048 m) above sea level

### Powering

- + DC power, +12 VDC nominal, 1.5
- + Input power, 90-240VAC, 50/60Hz
- + Power consumption, ~12W maximum

### Management

- + Web-Based Device Management, CLI (Telnet)
- + TR-069 / TR-098, TR-111 Remote Management
- + Statistics Logging and Reporting
- + IEEE 802.1p Class of Service
- + IEEE 802.1q VLAN Support (Management and Video)
- + IGMP Snooping for Video support

### Compliance

- + FCC Part 15 Class B
- + ICES-003 Class B
- + CE Mark
- + Safety ETL/Intertek
- + IEC 62368-1, UL 62368-1, EN 62368-1
- + FDA IEC 60825-1
- + RoHS 2015/863/EU

## Ordering Information

Model	
MESH-2100-GE	WAN: 1 x 1G RJ45 port LAN: 2 x 1G RJ45 ports 2.4GHz 2x2 802.11n, 5Gz 4x4 802.11ac 1x 2-pin barrel, 12VDC power input 0 to +40°C
MESH-2100-GE-NA	North America
MESH-2100-GE-EU	EU
MESH-2100-GE-UK	UK
MESH-2100-GE-00	No power supply

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