

## MESH-1200



### Ethernet WiFi Access Point and Client

The MESH-1200 from DZS is the ideal solution for building a EasyMesh compliant Wi-Fi Network for home users.

#### Features & Benefits

- + Functions as an Access Point or Client
- + 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 2x2 802.11ac Carrier-grade Wi-Fi 5 interfaces
- + EasyMesh R1
- + Easy device setup and subscriber self-installation

The MESH-1200 from DZS is the ideal solution for extending wireless coverage within the subscriber's home. Exclusively designed for whole-home coverage, these Ethernet devices are equipped with 2x2 802.11n and 802.11ac wireless standard. Acting as an Access Point or a Mesh Client, the MESH-1200 is able to provide always-on connectivity and speed for whole-home wireless coverage.

Using the latest wireless technologies, the MESH-2100 with its 2T2R 5.0GHz radio and support of Multi-User MIMO, allows users to enjoy and maximize the full benefits of the 802.11ac wireless standard. Carrier-class software features and management delivers unparalleled network performance to wirelessly connected devices.

The MESH-1200 is simple to install with set-up completed in a matter of minutes with no advanced technical knowledge. No need for manual configuration, each MESH-1200 will auto-detect its role and auto-provision itself.

# MESH-1200

## Easy to Set-up and Use

Designed to find its way to keep you connected through advanced mesh technology, the MESH-1200 enhances coverage, with robustness and capacity necessary for wireless whole-home networks. Deployed in a conventional star topology the MESH-1200 gives you a premium Wi-Fi experience.

## Key Service Attributes

- + Wireless downstream performance up to 1.2Gbps aggregate Physical Rate
- + One 10/100/1000MBase-T Ethernet WAN port, RJ45, 1Gbps symmetrical services
- + Two 10/100/1000MBase-T Ethernet LAN ports, RJ45
- + 2.4GHz 2x2 802.11n, 20MHz and 40MHz channels
- + 5GHz 2x2 802.11ac, 20MHz, 40MHz and 80MHz channels
- + Internal antennas
- + Downstream MU-MIMO
- + Explicit and Implicit Beamforming Technology
- + Advanced Mesh Technology
- + +12 VDC power source

# MESH-1200

## Product Specifications

### Hardware

- + Dimensions
  - Width: 4.2" (108mm)
  - Depth: 4.2" (108mm)
  - Height: 2.7" (68mm)
- + 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
- + Multi-status LED indicators
- + WPS: Push 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 2x2 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
- ### IP Routing and Firewall
- + DHCP, Static-IP and PPPoE
  - + NAT/NAPT
  - + DNS Proxy
  - + DHCP Server
  - + UPnP, plug and play

### 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, 1.0
- + Input power, 90-240VAC, 50/60Hz
- + Power consumption, ~10W maximum

### Management

- + Web-Based Device Management
- + CLI (Telnet)
- + TR-069 / TR-098, TR-111 Remote Management
- + Statistics Logging and Reporting

### 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-1200	WAN: 1 x 1G RJ45 port LAN: 2 x 1G RJ45 ports 2.4GHz 2x2 802.11n, 5Gz 2x2 802.11ac 1x 2-pin barrel, 12VDC power input 0 to +40°C
MESH-1200-NA	North America
MESH-1200-EU	EU
MESH-1200-UK	UK
MESH-1200-00	No power supply



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