

# 1664WC



## Ethernet WiFi Access Point and Client

The 1664WC 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 802.11ax, 5GHz 2x2 802.11ax Carrier-grade Wi-Fi 6 interfaces
- + EasyMesh R1 and R2
- + Easy device setup and subscriber self-installation

The 1664WC 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 dual-band 2x2 802.11ax wireless standard. Acting as an Access Point or a Mesh Client, the 1664WC is able to provide always-on connectivity and speed for whole-home wireless coverage.

Using the latest wireless technologies, the 1664WC with its 2T2R 5.0GHz radio and support of Multi-User MIMO, allows users to enjoy and maximize the full benefits of the 802.11ax wireless standard. Carrier-class software features and management delivers unparalleled network performance to wirelessly connected devices.

The 1664WC is simple to install with set-up completed in a matter of minutes with no advanced technical knowledge. No need for manual configuration, each 1664WC will auto-detect its role and auto-provision itself.

# 1664WC

## Easy to Set-up and Use

Designed to find its way to keep you connected through advanced mesh technology, the 1664WC enhances coverage, with robustness and capacity necessary for wireless whole-home networks. Deployed in a conventional star topology the 1664WC gives you a premium Wi-Fi experience.

## Key Service Attributes

- + One 10/100/1000MBase-T Ethernet WAN port, RJ45, 1Gbps symmetrical services
- + Three 10/100/1000MBase-T Ethernet LAN ports, RJ45
- + 2.4GHz 2x2 802.11ax, 20MHz and 40MHz channels
- + 5GHz 2x2 802.11ax, 20MHz, 40MHz and 80MHz channels
- + Internal antennas
- + Downstream and Upstream MU-MIMO
- + EasyMesh R1 and R2
- + Explicit and Implicit Beamforming Technology
- + Advanced Mesh Technology
- + +12 VDC power source

# 1664WC

## Product Specifications

### Hardware

- + Dimensions
  - Width: 7.7" (196mm)
  - Depth: 5.1" (130mm)
  - Height: 1.4" (35mm)
- + 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: 3 ports 10/100/1000MBase-T Ethernet (RJ45)
- + Power: 1 2-pin barrel connector
- + Multi-status LED indicator
- + 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 EEE

### Wireless

- + 2.4GHz 2x2 802.11ax MU-MIMO
- + 5GHz 2x2 802.11ax 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, play and play

### Environmental

- + Operating Temperature 32~104°F (0~+40°C) Commercial
- + Storage temperature -4~149°F (20~65°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

### 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	
1664WC	WAN: 1x 1G RJ45 port LAN: 3x 1G RJ45 ports 2.4GHz 2x2 802.11ax, 5Gz 2x2 802.11ax 1x 2-pin barrel, 12VDC power input 0 to +40°C
HX-1664WC-NA	North America
HX-1664WC-EU	EU
HX-1664WC-UK	UK
HX-1664WC-00	No power supply

**DZS Headquarters**  
Plano, TX USA  
[info@DZSi.com](mailto:info@DZSi.com)  
[www.DZSi.com/contact-us](http://www.DZSi.com/contact-us)

**Contact DZS today**  
[www.DZSi.com](http://www.DZSi.com)  
[support@DZSi.com](mailto:support@DZSi.com)

