DZS

1764WC-A

Reimagine Your Edge

Ethernet WiFi Access Point and Client

The 1764WC-A enables DZS Cloud compatible Wi-Fi networking for home users with AI driven automation and experience management.

Features & Benefits

+ Functions as an Access Point or Client

+ One 2.5 gigabit multi-rate 100/1000M/2.5G Ethernet WAN port

+ Three 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

+ Integrated DZS CloudCheck WiFi optimization and in-home visibility

+ Easy device setup and subscriber self-installation

The 1764WC-A from DZS with 2.5G WAN port is the ideal solution for extending wireless networks within the subscriber's premises. 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 1764WC-A is able to provide always-on connectivity and high-speed Internet with enhanced subscriber experience management.

Using the latest wireless technologies, the 1764WC-A 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 1764WC-A is simple to install with set-up completed in a matter of minutes with no advanced technical knowledge. No need for manual configuration, each 1764WC-A will auto-detect its role and auto-provision itself.
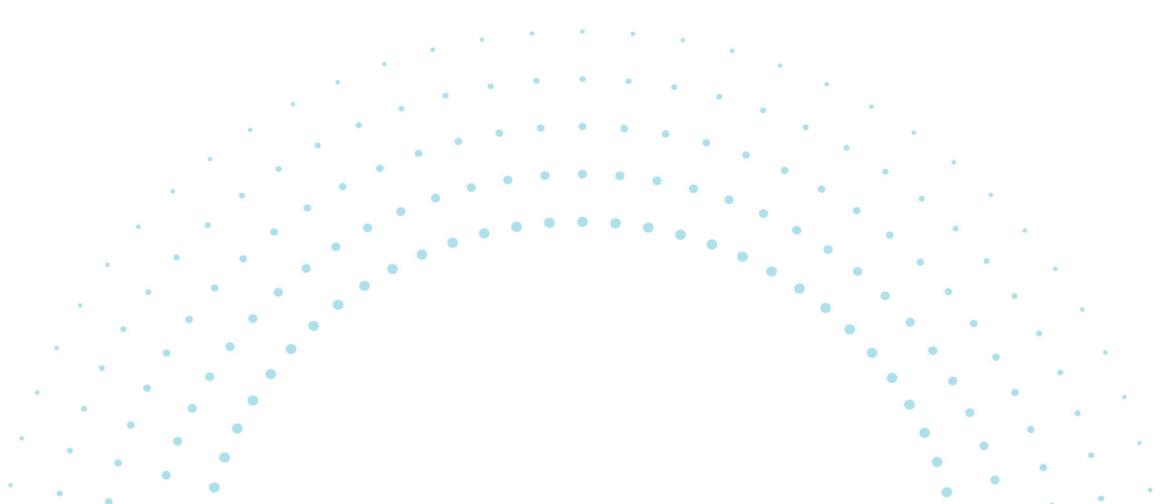
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Easy to Set-up and Use

Designed to find its way to keep you connected through advanced mesh technology, the 1764WC-A enhances coverage, with robustness and capacity necessary for wireless whole-home networks. Deployed in a conventional star topology the 1764WC-A gives you a premium Wi-Fi experience.

Key Service Attributes

+ One 100/1000M/2.5GBase-T Ethernet WAN port, RJ45, 2.5Gbps 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, 80MHz and 160MHz channels

+ Internal antennas

+ Downstream and Upstream MU-MIMO

+ Explicit and Implicit Beamforming Technology

+ Advanced Mesh Technology

+ +12 VDC power source

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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:2.3Gbps Down/2.3Gbps Up

Interfaces

- WAN: 1 port 100/1000M/2.5GBase-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 802.3bz 2.5GBase-T
- 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, plug 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)
- DZS CloudCheck
- 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	
1764WC-A	WAN: 1x 2.5G 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-1764WC-A-NA	North America
HX-1764WC-A-EU	EU
HX-1764WC-A-UK	UK
HX-1764WC-A-00	No power supply

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