

W520CE



W520CE – WiFi 5 Dual-Band Indoor AP

The DZS WiFi 5 Access Point provides high-performance connectivity to all users requiring a variety of IoT and mobile environments.

Features & Benefits

- + Supports Dual-band 2.4GHz/5GHz
- + 2 ports 1GE LAN interface and 1 port 1GE WAN interface
- + Supports IEEE802.11b/g/n/ac for WiFi 5

With the growing popularity of personal digital devices such as tablet, smart phone, laptop, and other mobile computing tools, the needs is being increased for configuring the consolidated wireless network, and establishing the smart environment.

W520CE is a WiFi 5 Gigabit Ethernet indoor Access Point based on 802.11a/b/g/n/ac, which supports Dual-band & Dual-concurrent. In this regard, the W520CE is the perfect fit for the enterprise and home customers that want to deploy the optimized secure wireless networks in the office, workplace, entire campus or apartment houses.

WiFi 5 Dual-Band Indoor AP W520CE

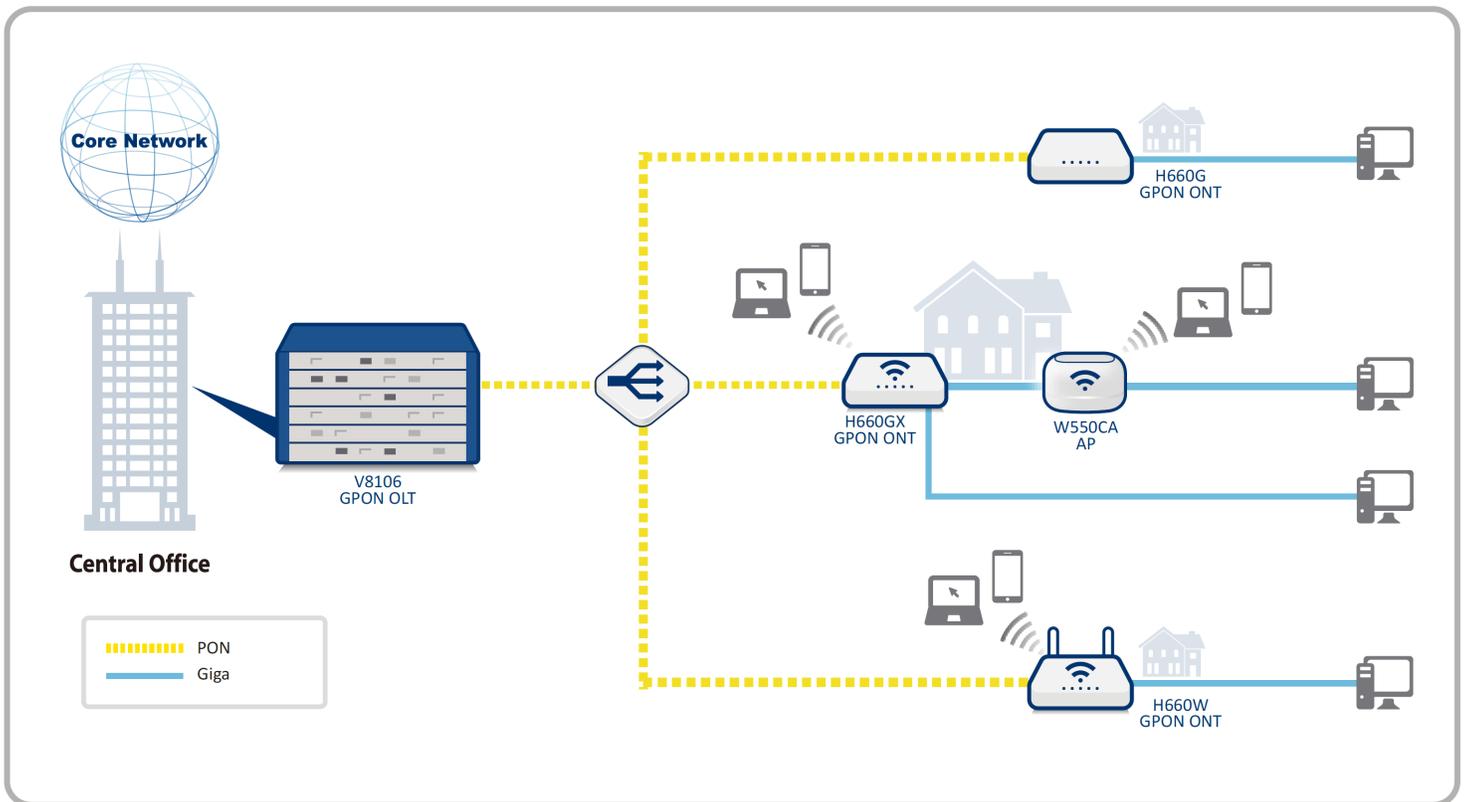


Service Scenario of W520CE

The W520CE is a wireless Access Point (AP) that allows you to take full advantage of advanced security and quality of service features with an easy to use management interface.

The W520CE is an ideal solution for the residential and office users to enjoy the benefits of high-speed wireless networking.

Locate the W520CE at the central point of an office or house, and then connect it to GPON ONT. The multiple Wi-Fi laptop or phones can be easily connected to the internet by W520CE's three wired connection. The W520CE implements wireless bridging and access functions using 5GHz and 2.4GHz frequency bands.



Reference Network Architecture

WiFi 5 Dual-Band Indoor AP W520CE



Features, Protocols, Interfaces

Product Features

- + 128MB Flash Memory
- + 256MB SDRAM
- + 2.4GHz & 5GHz:
 - Dual-band/Dual-concurrent
- + IEEE802.11a/b/g/n/ac
- + 1GbE WAN interface
- + Stand-alone AP type
- + Advanced security via RADIUS

Interfaces

- + LAN: 2 10/100/1000 Base-T Ethernet ports (RJ45)
- + WAN: 1 10/100/1000Base-T Ethernet port (RJ45)
- + Wireless LAN: IEEE802.11b/g/n/ac compliant internal antennas

Access Point Features

- + WDS
- + L2/L3/Fast Roaming
- + UAPSD/WMM Power save

Quality of Service

- + QoS mapping on ToS/DSCP
- + Tagging/overwriting ToS/DSCP
- + Rate Limit
- + QoS mapping for up to 10 simultaneous calls

L2 Switch

- + IEEE 802.1p and IEEE802.1q
- + MAC Filtering
- + IEEE 802.1d Bridging

Networking

- + Syslog
- + NTP
- + DHCP Client/Option 60
- + DNS Client

Multicast

- + IGMP Snooping

Access Point Features

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Access Management

- + CLI/Telnet
- + HTTP/HTTPs
- + SNMPv1/v2/v3

Access Point Configuration

- + Firmware remote upgrade
- + AP Firmware upgrade
- + AP configuration upload/download

Wireless Radio

- + IEEE802.11b/g/n/ac radio
- + Auto/manual channel selection
- + Multiple/hidden SSID
- + WLAN mapping to VLAN
- + Max client association count
- + Band steering
- + 2G 2x2 MIMO, 5G 2x2 MIMO
- + WiFi 5: MU-MIMO(TX/RX)
- + Supports Easy Mesh R1
- + Easy Installation (Plug LAN Cable, Push Button, WEB GUI)
- + Supports Roaming
- + Supports AP/Client Steering

Authentication & Encryption

- + WPA/WPA2/WPA-PSK/WPS2-PSK
- + MAC address authentication
- + ID/PW/MAC authentication on same SSID
- + Encryption (WEP/TKIP/AES/EAP-MD5/EAP-SIM/EAP-TTLS/PEAP)
- + 802.1x Authentication

Security

- + RADIUS Client
- + CPU access control list
- + Protection against ARP spoofing
- + Protection against TCP port scan attack

Physical & Environmental Specifications

Dimensions (W x D x H)	154 mm x 150 mm x 30 mm
Operating temperature	0~40°C
Storage temperature	-40~70°C
Operating humidity	10 to 90 % (non-condensing)
AC power	100-240VAC, 50Hz
DC power	12VDC/1A

LAN 1GE	2 x 10/100/1000 Base-T (RJ45)
WAN 1GE	1 x 10/100/1000 Base-T (RJ45)
Antenna	4 x 3dBi Antenna
Button	WPS, RESET
Internal antenna	2x2 MIMO/2.4GHz & 5GHz
WiFi	802.11b/g/n/ac

Ordering Information

Bases	
W520CE	Stand-alone AP 2 x 10/100/1000Base-T 1 x 10/100/1000Base-T WAN interface Power Adaptor: 12V/1A

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