

## WAP6-1GE-EXT-HD

### 287786

WiFi  
Access Point



The WAP6-1GE-EXT-HD outdoor access point, thanks to its ability to manage high connection density, is ideal for use in companies, campuses, hospitals, hotels and smart buildings; its design makes it ideal for exposed installations.

Wi-Fi 6, supports 802.11a/b/g/n/ac/wave2/ax protocols with 2400Mbps bandwidth.

The integrated high power omnidirectional 2x2 MIMO antenna meets the wireless coverage needs of the environments to be served. It also supports both PoE power and external power supply.

### Technical Chars

- Wi-Fi 6
- 2400Mbps at 5GHz
- High Density
- PoE power supply or external adaptor
- Built-in 2x2 omnidirectional MIMO aerials
- Compatible with 802.11a/b/g/n/ac/wave2/ax standard
- Supports both wired and wireless QoS capabilities
- Coverage: up to 150 meters

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Code		287786
Specifications		
Remote feeding		PoE 802.3at
Installation type		Wall mounted
LAN ports		<ul style="list-style-type: none"> <li>• 1 x 10/100/1000M WAN with PoE support</li> <li>• RJ45 connectors</li> </ul>
MTBF	h	250000
User number		up to 128 per band
Status LED		SYS, WLAN, Link/Act
Protection		IP67

Wifi Section		
Working mode		Routing and Bridging
Standard compatibility		802.11a/b/g/n/ac/wave2/ax
Bitrate		2.4G: 2*2 11ax 576Mbps 5G: 2*2 11ax 2400Mbps
2.4GHz frequency range	GHz	2.400 - 2.483
5GHz frequency range	GHz	5.725-5.850/5.15-5.35
Aerials specs		Supports 2x2 MIMO, integrated omnidirectional 8dBi aerials, up to 2400Mbps
Encryption		AES, WPA3
SSID support		Multiple
Specifications		
Current consumption	W	<18W
Operating temperature	°C	-35 to +55
Storage temperature	°C	-40 to +70
Relative humidity	%	From 10 to 95 (in the absence of condensation)
Dimensions and packaging		
Packing		Single
Product dimensions	mm	304 x 180 x 88
Weight	Kg	1.6

## Functions

### Management

#### WIRELESS MANAGEMENT SUPPORTS:

- Local AC/web management
- Multicast enhancement
- Automatic network-wide channel adjustment
- Automatic network-wide bandwidth adjustment
- Automatic network-wide power adjustment
- Automatic network management

#### WLAN SUPPORTS:

- WPA-PSK/WPA2-PSK/WPA3-PSK
- RTS/CTS
- Guest network
- Smart device SSID
- Wired networking: automatic detection and authorisation
- Wireless Mesh networking: automatic detection and authorisation
- Automatic path switching
- Automatic link fault detection and recovery

### QoS

- 802.11e/WMM
- Priority: ethernet port 802.1P identification and marking/mapping from wireless priorities to wired priorities
- AI-QoS: mapping based on application traffic and air interface queue

### Wireless

## ADVANCED Wi-Fi FEATURES:

- Automatic channel/bandwidth/power selection
- Load balancing: based on traffic/number of users/bands/air interface load
- 802.11k/802.11v/802.11r
- AP steering
- Band steering

## POWER SAVING:

- Green AP mode
- Dynamic MIMO power saving

## Security

- PSK authentication
- Supports WEP, WPA, WPA2, WPA3 wireless encryption
- Client isolation: Layer-2 wireless client isolation, SSID isolation
- 802.11i
- Forwarding security: packet filter, MAC address filter, and broadcast storm suppression
- SSID-VLAN binding
- Management frame protection (802.11w)