# WCTRL-256-SFP+
# 287775

WiFi
Controller

The **WCTRL-256-SFP+** controller is designed to meet the needs of medium/large enterprises such as hotels, campuses, offices, etc., simplifying the network structure and greatly reducing the difficulty of device configuration, operation and maintenance.
Thanks to its 64-bit ARM processor and adoption of SDN (Software Defined Network) technology, it is able to respond with high levels of performance and efficiency.
It supports automatic channel management, radio frequency adjustment, load balancing and user roaming.
The **WCTRL-256-SFP+** can manage up to a maximum of 1024 Access Points.

## Technical Chars

- Controller including licenses for 256 Access Points
- Maximum capacity 1024 Access Points
- Management of up to 25,000 users
- 64-bit ARM high-performance processor
- 802.11 procol
- Multi-SSID broadcast and SSID hide
- NAT and QoS
- SNMP
- Status LCD

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|---|---|---|
| Code | | 287775 |
| Specifications | | |
| Remote feeding | | PoE 802.3at or 12V DC |
| Installation type | | 1U rack |
| LAN ports | | • 1 x 10G SFP+ WAN<br>• 2 x 10/100/1000M RJ45 WAN<br>• 2 x 1G SFP WAN<br>• 8 x 10/100/1000M RJ45 LAN |
| USB interface | | 1 x USB |
| User number | | up to 128 per band |
| Status LED | | Power supply, operation, status LCD |
| Protection | | IP41 |

## Wifi Section

| | | |
|---|---|---|
| Working mode | | Routing and Bridging |
| Standard compatibility | | • 802.11 a/b/g/n/ac/ax<br>• 802.11g, 802.11d, 802.11h<br>• 802.11i, 802.11e<br>• 802.3, 802.3ab, 802.3u<br>• 802.3x, 802.3z, ARP, Reverse ARP<br>• multi-LAN ARP/Proxy ARP<br>• STP/802.1Q L2 forwarding<br>• RFC791 IP, RFC792 ICMP, RFC793, TCP, RFC768 UDP<br>• RFC854 Telnet, RFC1542 BOOTP<br>• RFC1191 Path MTU Discovery |
| Bitrate | | 2.4G: 2*2 11ax 573Mbps 5G: 2*2 11ax 1200Mbps |
| Aerials specs | | Supports 2x2 MIMO, integrated omnidirectional 3dBi aerials, up to 1800Gbps |
| Encryption | | AES, WPA3 |
| SSID support | | Multiple |

## Specifications

| | | |
|---|---|---|
| Power supply voltage | V/A | 230 |
| Current consumption | W | Max. 50 |
| Operating temperature | °C | -10 to +50 |
| Storage temperature | °C | -40 to +70 |
| Relative humidity | % | 10 to 95 (without condensation) |

## Dimensions and packaging

| | | |
|---|---|---|
| Packing | | Single |
| Packaging dimensions | mm | 500 x 320 x 80 |
| Product dimensions | mm | 440 x 180 x 44 |
| Packaging weight | Kg | 3.3 |
| Net Weight | Kg | 2.3 |

# Functions

# Management

# VLAN

4096 VLAN

# QoS

- User's flow control
- Supports user-level flow control or flow control based on the contract information of the Radius server
- Supports the domain-based flow control (taking VLAN or SSID as the configuration domain)

Service priority:
- Supports 802.11e, which provides different services according to session's priority
- Supports mapping of users QoS levels according to SSID
- Supports 802.1p and L2 packet's priority mapping
- Load balance and control
- Supports AP/AC interconnection based on priority and load
- Supports load balance between adjacent APs on the basis of user quantity and flow

## Wireless

## DHCP

## Security

- Open system
- WEP, WPA/WPA2 PSK
- 802.1x, 802.11i
- WAPI, ACL
- DDOS prevention
- Wireless IPS/IDS
- Illegal AP detection, Illegal terminal checkup
- Isolation of users' services
- Whitelist
- Static/dynamic blacklist, URL filter