

WCTRL-128-SFP

287774

WiFi
Controller



The **WCTRL-128-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-128-SFP** can manage up to a maximum of 128 Access Points.

Technical Chars

- Controller for up to 128 access points
- 64-bit ARM high-performance processor
- 802.11 protocol
- Multi-SSID broadcast and SSID hide
- NAT and QoS
- SNMP

carinitial		
Code		287774
Specifications		
Remote feeding		PoE 802.3at or 12V DC
Installation type		1U rack
LAN ports		<ul style="list-style-type: none">• 2 x 10/100/1000M Combo• 8 x 10/100/1000M LAN• RJ45 connectors
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		<ul style="list-style-type: none"> • 802.11 a/b/g/n/ac/ax • 802.11g, 802.11d, 802.11h • 802.11i, 802.11e • 802.3, 802.3ab, 802.3u • 802.3x, 802.3z, ARP, Reverse ARP • Multi-LAN ARP/Proxy ARP • STP/802.1Q L2 forwarding • RFC791 IP, RFC792 ICMP, RFC793, TCP, RFC768 UDP • RFC854 Telnet, RFC1542 BOOTP • 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. 20
Operating temperature	°C	-10 to +50
Storage temperature	°C	-40 to +70
Relative humidity	%	10 to 95 (without condensation)
Dimensions and packaging		
Packing		Single
Pieces		1
EAN code		8016978108541
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

- Automatic channel
- Supports static channel configuration
- Automatic transmitting power
- Supports to set the static transmitting power
- Supports the automatic transmitting power for coverage remedy
- Supports the \STA-based automatic transmitting power to improve the throughput
- Automatic rate
- Supports the STA-based automatic rate choice
- Supports to limit the maximum transmitting rate

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

- AC function
- Distributive forwarding
- Port redundancy: multi-port binding
- Centralized forwarding
- Forwarding some AP or SSID services on a thin AP locally
- RTLS
- Connecting AP/AC via L3 security tunnel
- Centralized, distributive and hybrid exchanges of L2 services
- Forwarding all services after being centralized on AC
- Switching load from troubled AC to another normal AC

DHCP

- DHCP table: 2K

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