



Model Name	CW-500 (R1)	CW-500 (R3)	CW-500 (R3-MESH)
Radio Type	Dual Radio (2x2 + 2x2)	Tri Radio (2x2 +2x2 +2x2)	
WiFi Generations	WiFi6	WiFi6	
Products picture			
Wireless Radio	Radio0 : 2.4G(2x2)ax/n/b/g Radio1 : 5G(2x2)ax/ac/an/a	Radio0 : 2.4G(2x2)ax/n/b/g Radio1 : 5G-1(2x2)ax/ac/an/a Radio2 : 5G-2(2x2)ax/ac/an/a	
Max Data Rate / Channel BandWidth	2.4Ghz : 11ax 574M(2T2R/HT40) 5Ghz-1 : 11ax 1200M(2T2R/VHT80)	2.4Ghz : 11ax 574M(2T2R/HT40) 5Ghz-1 : 11ax 1200M(2T2R/VHT80) 5Ghz-2 : 11ax 2400M(2T2R/VHT160)	
Transmit Power	2.4GHz : 24 ± 1 dBm 5GHz : 24 ± 1 dBm	2.4GHz : 24 ± 1 dBm 5GHz-1 : 24 ± 1 dBm 5GHz-2 : 24 ± 1 dBm	
Sensitivity	2.4GHz : Max : -94 dBm 5GHz : Max : -93 dBm	2.4GHz : Max : -94 dBm 5GHz-1 : Max : -93 dBm 5GHz-2 : Max : -93 dBm	
CenOS5.0 Wireless Operation Mode			
CAP Mode	V (UI Control AP x32APs)	V (UI Control AP x64APs)	
AAP Mode(Authentication AP)	V	V	
WISP Mode + Repeater AP	V	V	
Client Bridge mode + Repeater AP	V	V	
Router Mode + AP	N/A	V	
MAN-MESH (By Layer3 Protocol)	N/A	N/A	V
Layer3 MESH Intelligent wireless mechanism			
Mesh Multi-node smart link capability	N/A	N/A	V
Mesh Force Link priority & Static Peer	N/A	N/A	V
Mesh network interconnection security	N/A	N/A	V
Intelligent routing Auto Mesh Link function	N/A	N/A	V
Mesh NAT for DHCP Relay (DHCP) relay	N/A	N/A	V
AP Managed			
Access Controller be Managed	V (For CenOS 5.0 Core System)	V (For CenOS 5.0 Core System)	
Operation mode for Management	V (CenOS 5.0 Core on CAP Mode)	V (CenOS 5.0 Core on CAP Mode)	
Hardware Specifications			
Ethernet	10/100/1000 Mbps x 2Port	10/100/1000 /2500 Mbps x 1Port 10/100/1000 Mbps x 1Port	
PoE PD Design in	Dual Port all support to 802.3af/at PoE design	Dual Port all support to 802.3af/at PoE design	
Power Over Ethernet Voltage Range	V (POE In-Put for 52~57V)	V (POE In-Put for 52~57V)	
Enclosure Housing	Plastic Flame Retardant PC Alloy WONDERLOY® PC-540A	Plastic Flame Retardant PC Alloy WONDERLOY® PC-540A	
Electro Static Discharge(ESD)	IEC61000-4-2 standard. (Conductive: 6KV / Air: 8KV)	IEC61000-4-2 standard. (Conductive: 6KV / Air: 8KV)	
Surge protection design	IEC61000-4-5 standard for GDT design (6KV on each port)	IEC61000-4-5 standard for GDT design (6KV on each port)	
Hardware Reset Button	V	V	
Form Factor	Supports Desktop / Wall / Ceiling Mount Installation	Supports Desktop / Wall / Ceiling Mount Installation	
Antenna Form Factor	2.4Ghz : Built-in 2x2 5dBi Omni Antenna 5Ghz : Built-in 2x2 5dBi Omni Antenna	2.4Ghz : Built-in 2x2 5dBi Omni Antenna 5Ghz-1 : Built-in 2x2 5dBi Omni Antenna 5Ghz-2 : Built-in 2x2 5dBi Omni Antenna	
Wireless Feature			
AP Units(SSID)	Virtual AP(ESSID) x16 per Radio (Most x32)	Virtual AP(ESSID) x16 per Radio (Most x48)	
WDS	WDS x8 per Radio (Most x16)	WDS x8 per Radio (Most x24)	
Hidden SSID broadcast	V	V	
SSID Support Big5 and Emoji	V	V	
WMM QoS	V	V	
IEEE802.11r / k Fast Roaming	V	V	
802.11d Multi country roaming	V	V	
IGMP Snooping v3	V	V	
Wireless Security	WPA/WPA2-PSK/WPA3 (AES 128,256/SHA 1-96,128,256,512/3DES 1-96, MD5-96/CCM hardware encryption)	WPA/WPA2-PSK/WPA3 (AES 128,256/SHA 1-96,128,256,512/3DES 1-96, MD5-96/CCM hardware encryption)	
Bandwidth Control QoS	V	V	
Transmission Power Control	9 levels	9 levels	
RF On/Off by time poilicy	V	V	
Location Tracking Log	V	V	
Network			
Web-Based management interface	V	V	
DHCP Server	V	V	
SNMP Support	V	V	
Telnet and SSH	V	V	
802.1q VLAN Tag	V	V	
Mutli Language	V	V	
802.1d Spanning Tree	V	V	
Auto Reboot(by day/week/month)	V	V	
Remote firmware upgradeable	V	V	
Associated Clients Status	V	V	
System Status / Even Log	V	V	
System overview	V	V	
Syslog Server Support	V	V	
Package Contents			
PoE Power supply Kit	V	V	
Mounting Bracket Set	Wall/Ceiling Mounting Bracket(with screw kit)	Wall/Ceiling Mounting Bracket(with screw kit)	
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