

# CERIO Outdoor Access Point Comparison list June/2018

Model Name	OW-200N2-X / OW-215N2-X	OW-300N2-A2	OW-200 A1 / OW-218 A1	OW-400 A1 / OW-408 A1
Products picture				
Cerio OS Support	CenOS3.0	CenOS5.0	CenOS5.0	CenOS5.0
Wireless Radio	5GHz 11an	2.4GHz 11n/b/g	5GHz 11an/ac	2.4GHz 11n/b/g 5GHz 11an/ac
Max Data Rate	300M( 2T2R )		11n 400M( 2T2R ) 11ac 867M( 2T2R )	11n 400M( 2T2R ) 11ac 867M( 2T2R )
Transmit Power	27dBm ± 1(500mW)	30 ± 2 dBm(1000mW)	5GHz 24 ± 1 dBm(300mW)	2.4GHz 24 ± 1dBm(300mW) 5GHz 24 ± 1 dBm(300mW)
Sensitivity	-97dBm	-96dBm (±2dB dBm )	5GHz -92dBm	2.4GHz -96dBm 5GHz -92dBm
<b>CenOS3.0 Wireless Operation Mode</b>				
AP Mode (AP+WDS)	V	N/A	N/A	N/A
Pure WDS Bridge Mode	V	N/A	N/A	N/A
Router Mode + AP	V	N/A	N/A	N/A
WISP Mode + Repeater AP	V	N/A	N/A	N/A
Client Bridge mode + Repeater AP	V	N/A	N/A	N/A
<b>CenOS5.0 Wireless Operation Mode</b>				
CAP Mode	N/A	V (UI Control AP x16APs)	V (UI Control AP x128APs)	V (UI Control AP x128APs)
AAP Mode(Authentication AP)	N/A		V	
Router Mode + AP	N/A	V	N/A	N/A
WISP Mode + Repeater AP	N/A		V	
Client Bridge mode + Repeater AP	N/A		V	
<b>AP Managed</b>				
Cerio CWMS ( AP Management Software )	V (in CenOS 3.0 Core)	N/A	N/A	N/A
Access Controller Managed	N/A		V (For CenOS 5.0 Core System)	
Operation mode Management	N/A		V (CenOS 5.0 Core CAP Mode )	
<b>Hardware Specifications</b>				
CPU	533Mhz		717MHz Quad-Core	717MHz Quad-Core
Ethernet	2 x 10/100Mbps		2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps
PoE PD Design in	V ( Passive PoE )		V ( 802.3af/at PoE )	V ( 802.3af/at PoE )
PoE Bridge	Bridge to Pasive PoE	N/A	N/A	N/A
Power Over Ethernet Range	V (12~68V) Wide Rage		V (48V)	V (48V)
Enclosure Housing	Die Cast Housing		Plastic material	Plastic material
Hardware lightning arrester Design	V (15kV ESD)		V (Conductive: 4KV / Air: 8KV)	V (Conductive: 4KV / Air: 8KV)
Hardware Heater Design	N/A	Built-In Heater	N/A	N/A
Mounting support	OW-200N2-X: Wall Mount / Pole Mount OW-215N2-X: Pole Mount	Pole Mount	Wall Mount / Pole Mount	Wall Mount / Pole Mount
Hardware Reset Button	V	V	N/A	N/A
Bundle Power Adapter	POE Injector Set			
Weather-Proof IP Standard	IP68 Approved		IP67 Approved	IP67 Approved
Optional Antenna N-type connect	N-type connect x2 (only for OW-200N2-X model)	N-type connect x2	N-type connect x2 (only for OW-200 A1 model)	2.4G N-type connect x2 for OW-400 A1 model
Built-In Antenna Gain	Built-In 5G 15dBi Dual Polarization Directional ANT (only for OW-215N2-X model)	Built-In 2.4G 10dBi Dual Polarization Directional ANT	Built-In 5G 18dBi Dual Polarization Directional ANT (only for OW-218 A1 model)	Built-In 5G 18dBi Dual Polarization Directional for OW-400 A1 model Built-In 2.4G & 5G 8dBi Dual Polarization Directional for OW-408 A1 model
Antenna Switch	N/A	choice optional ANT or switch to Built-In ANT type	N/A	N/A
<b>Wireless Feature</b>				
AP Units(SSID)	8 - Virtual AP		16 - Virtual AP	2.4GHz 16 - Virtual AP 5GHz 16 - Virtual AP (Most 32)
Hidden SSID broadcast			V	
SSID Support Big5 and Emoji			V	
WMM QoS			V	
802.11f IAPP			V	
IEEE802.11r / k Fast Roaming			V	
802.11d Multi country roaming			V	
IGMP Snooping v3			V	
Wireless Security	WEP, WPA/WPA2-PSK (AES/TKIP)		WPA/WPA2-PSK (AES/TKIP)	WPA/WPA2-PSK (AES/TKIP)
Band Steering	N/A	N/A	N/A	V
Bandwidth Control QoS			V	
Transmission Power Control			9 levels	
Outdoor Advanced for Slot Time			V	
RF On/Off by time policy	N/A	N/A	V	V
WPS by software	N/A	N/A	V	V
Location Tracking Log	N/A	N/A	V	V
<b>Network</b>				
Web-Based management interface			V	
DHCP Server	Only Router mode	V	V	V
SNMP Support			V	
Telnet and SSH			V	
802.1q VLAN Tag			V	
Mutli Language			V	
802.1d Spanning Tree			V	
UI Ping tools			V	
Auto Reboot(by day/week/month)			V	
Hardware Time Watch Dog	V	V	N/A	N/A
Remote firmware upgradeable			V	
Associated Clients Status			V	
System Status / Even Log			V	
System overview			V	
Syslog Server Support	N/A	V	V	V
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