

3657Mbps Ceiling Wireless AP

ALW-1132D



Short Specification

ALW-1132D is a high-performance 8T8R dual band 802.11ax indoor ceiling AP product that can provide 2.4G and 5.8GHz dual band wireless services. 2.4G provides up to 1148 Mbps access rate, while 5G provides up to 2402 Mbps access rate. Normal power is positioned for high-density coverage and multi user access usage environment

Main Features

- Adopting dual frequency design, the maximum speed can support 3550Mbps, and the maximum number of users supported is 300+.
- Adopting Qualcomm's IPQ8072 4-core CPU+4G DDR3L solution, the product's data processing is faster and more stable.
- The heat sink adopts a buckle structure design and special surface coating treatment, resulting in more ideal heat dissipation effect.
- The RF adopts high-power FEM, suitable for high-density applications. Multi user environment.

Hardware Specification

Model	ALW-1132D				
CPU	IPQ8072+QCN5024+QCN5054+PMP8074+QCA8081*2(2.5G)				
Flash	SPI NOR 8MB				
DDR3	512MB*2				
Nand Flash	128MB				
2.4G RF	QCN5024-2.4G external FEM: SKY85334-11				
5.8G RF	QCN5054-5.8G external FEM: SKY85750-11				
2.4G Frequency	2.4GHz – 2.484GHz				
2.4G Protocol	802.11b/g/n/ac/ax				
5G Frequency	5.150GHz ~ 5.850GHz				
5G Protocol	802.11a/n/ac/ax				
Antenna	4*2.4G/5G dual band omin antennas: 3 dBi+				
Data Rate	2.4G 1148 Mbps MIMO 4*4, 5G 2402Mbps MIMO 4*4				
2.4G TX Power	802.11b	11 M	17 ± 2dBm	1M	18 ± 2dBm
	802.11g	54 M	16 ± 2dBm	6M	17 ± 2dBm
	802.11n HT 20	MCS 7	16 ± 2dBm	MCS 0	17 ± 2dBm
	802.11n HT 40	MCS 7	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11ax HE 20	MCS 11	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11ax HE 40	MCS 11	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11a	54 M	16 ± 2dBm	6M	17 ± 2dBm
	802.11n HT 20	MCS 7	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11n HT 40	MCS 7	15 ± 2dBm	MCS 0	16 ± 2dBm
5G TX Power	802.11ac VHT 20	MCS 7	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11ac VHT 40	MCS 7	15 ± 2dBm	MCS 0	16 ± 2dBm

	802.11ac VHT 80	MCS 9	14 ± 2dBm	MCS 0	15 ± 2dBm
	802.11ax HE 20	MCS 11	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11ax HE 40	MCS 11	15 ± 2dBm	MCS 0	16 ± 2dBm
	802.11ax HE 80	MCS 11	14 ± 2dBm	MCS 0	15 ± 2dBm
	802.11b	11 M	- 85dBm	1M	-92dBm
	802.11g	54 M	- 72dBm	6M	-90dBm
	802.11n HT 20	MCS 7	- 70dBm	MCS 0	-88dBm
	802.11n HT 40	MCS 7	- 68dBm	MCS 0	-86dBm
2.4G Receiving Sensitivity	802.11ax HE 20	MCS 11	- 60dBm	MCS 0	-85dBm
	802.11ax HE 40	MCS 11	- 56dBm	MCS 0	-85dBm
	802.11a	54 M	- 72dBm	6M	-92dBm
	802.11n HT 20	MCS 7	- 70dBm	MCS 0	-90dBm
	802.11n HT 40	MCS 7	- 68dBm	MCS 0	-88dBm
	802.11ac VHT 20	MCS 7	- 70dBm	MCS 0	-90dBm
	802.11ac VHT 40	MCS 7	- 68dBm	MCS 0	-88dBm
5G Receiving Sensitivity	802.11ac VHT 80	MCS 9	- 58dBm	MCS 0	-85dBm
	802.11ax HE 20	MCS 11	- 62dBm	MCS 0	-88dBm
	802.11ax HE 40	MCS 11	- 58dBm	MCS 0	-86dBm
	802.11ax HE 80	MCS 11	- 55dBm	MCS 0	-84dBm
2.4G EVM	802.11b ≤ -10 dB; 802.11g ≤ -25 dB; 802.11n ≤ -28 dB; 802.11ax ≤ -35 dB				
5G EVM	802.11a ≤ -25 dB; 802.11n ≤ -28 dB; 802.11ac ≤ -32 dB; 802.11ax ≤ -35 dB				
ppm	±20ppm				
LAN 0	1*10/100/1000/2500M RJ45, support 48V PoE				
LAN 1	1*10/100/1000/2500M RJ45				
Reset	Reset to factory settings by pressing 6-10 seconds				
Indicators	WAN, LAN, tricolor LED(sys-red, 2.4G-green, 5.8G-blue)				
Power	DC2.0 12V 2A, PoE 802.3at				
Max Power Consumption	< 22W				
Dimension	198mm×198mm×41mm				
Weight	0.9kg				
Temperature	Working: -20°C to 45°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)				
ESD	Air:±8K, Touch:±4K				
Electrical Surge	Common Mode: 2K, Differential Mode: 1K				

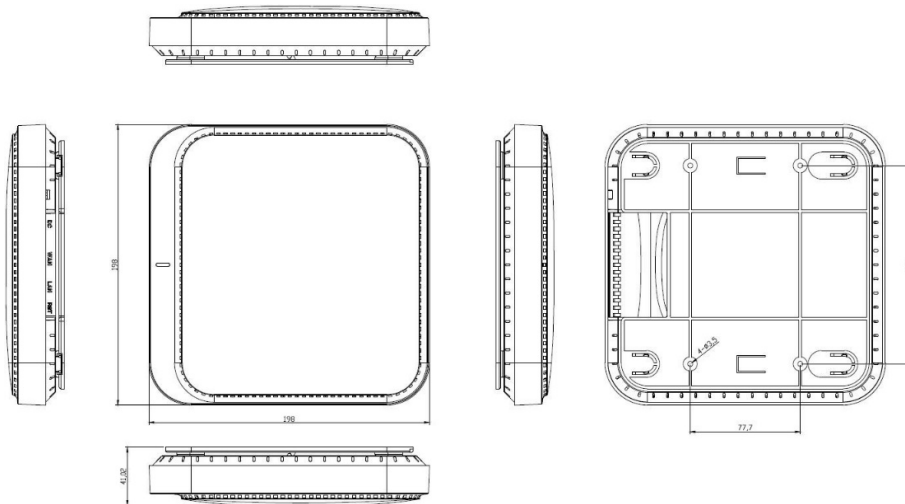
Firmware Specification

Working Mode	Gateway, AP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, 802.1x
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Support user quantity limited, Max 64 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

Interface



Dimension



Accessory

AP	1
Lan cable	1
Mounting Accessories	1