AL6L

802.11a/n/ac Outdoor dual band wireless base station

TDMA+

Intelligent Rate Control

ACK Time-out Adjustment
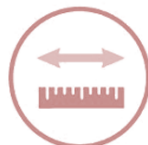
2x2 MiMo

High Throughput

Point-to-Multi-Point

Long Distance Coverage

Gigabit Ethernet

Hardware Watchdog

POE+

KEY FEATURES

- Supports 802.11a/n/ac standard
- The highest transmission rate is 1.7Gbps
- External antenna (optional)
- Integrated antenna, quick installation
- Built-in advanced technology
- Supports bridge and router modes. Network architecture can be flexibly deployed by adjusting the network mode of devices
- Intelligent QoS wireless multimedia optimization technology, providing high priority transmission levels for voice and video
- Supports firmware backup. The mechanism can prevent the device from stopping work in extreme conditions
- Supports web page management, making installation and maintenance of equipment more convenient
- Supports wireless controller (AC) management, realize remote centralized configuration and upgrade management
- Supports 802.3at protocol (POE+)
- IP66

Wireless controller needs to be purchased separately

HARDWARE

Dimensions	200 x 200 x 50 mm | 7.87 x 7.87 x 1.97 in
Weight	1.2 kg | 2.10 lbs
Installation	Pole mounting 30 mm ≤ Diameter ≤ 50 mm | 1.18 in ≤ Diameter ≤ 1.97 in
Protection Level	IP66
Power Supply	48V POE+
Max Power Consumption	15W
Average Power Consumption	12W
CPU	IPQ4029
DDR & Memory	512MB DDR3L, 32MB Flash
Physical Interface	1*10/100/1000Mbps, 1*1000Base-X SFP
Maximum Transmitted Power	27dBm
Working Temperature	-40 ℃ ~ +70 ℃ | -40 ℉ ~ +158 ℉
Storage Temperature	-40 ℃ ~ +85 ℃ | -40 ℉ ~ +185 ℉
Working Humidity	5 ~ 95% RH Non-condensing
Surge	POE/GE: common mode 4KV, differential mode 2KV
ESD Protection	Contact 6KV, Air 8KV
Wind Survivability	150 km/h

SOFTWARE

Protocol	802.11a/n/ac
Frequency	5180~5320 MHz, 5745~5825 MHz (China) 5180~5320 MHz, 5500~5720 MHz, 5745~5825 MHz (United States) 5160~5340 MHz, 5480~5720 MHz, 5745~5865MHz (India) 5160~5340 MHz, 5480~5720 MHz, 5745~5825MHz (United Arab Emirates) 5745~5805 MHz (Indonesia) * The above frequencies need specific version support
Operating Mode	Base Station, AP, Wi-Fi AP
Security	WPA2-PSK
Network Mode	Bridge
Management	Supports Web/AC
Other	Timed restart Supports VLAN, QoS, Watchdog

RF PARAMETERS

		Transmit Power			Receive Sensitivity		
	Rate	**Power**	**Tolerance**		**Rate**	**Sensitivity**	**Tolerance**
11a/n	6 Mbps	23dBm	+/- 2dBm		6 Mbps	-91dBm	+/- 2dBm
	54 Mbps	19dBm	+/- 2dBm		54 Mbps	-73dBm	+/- 2dBm
	HT20 MCS0 (joint road)	26dBm	+/- 2dBm		HT20 MCS0	-91dBm	+/- 2dBm
	HT20 MCS7 (joint road)	21dBm	+/- 2dBm		HT20 MCS7	-70dBm	+/- 2dBm
	HT40 MCS0 (joint road)	25dBm	+/- 2dBm		HT40 MCS0	-87dBm	+/- 2dBm
	HT40 MCS7 (joint road)	21dBm	+/- 2dBm		HT40 MCS7	-68dBm	+/- 2dBm
11ac	VHT20 MCS0 (joint road)	26dBm	+/- 2dBm		VHT20 MCS0	-91dBm	+/- 2dBm
	VHT20 MCS8 (joint road)	20dBm	+/- 2dBm		VHT20 MCS8	-66dBm	+/- 2dBm
	VHT40 MCS0 (joint road)	25dBm	+/- 2dBm		VHT40 MCS0	-87dBm	+/- 2dBm
	VHT40 MCS9 (joint road)	19dBm	+/- 2dBm		VHT40 MCS9	-62dBm	+/- 2dBm
	VHT80 MCS0 (joint road)	25dBm	+/- 2dBm		VHT80 MCS0	-84dBm	+/- 2dBm
	VHT80 MCS9 (joint road)	19dBm	+/- 2dBm		VHT80 MCS9	-58dBm	+/- 2dBm

*The joint road in the above table is the tested single power +3dB.

DIMENSIONS AND INTERFACE

200mm
50mm
200mm

POE   SFP

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