

AL6L WIRELESS BRIDGE DATASHEET

SUNWAVE

AL6L

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



TDMA



Intelligent Rate Control



ACK Time-out Adjustment



2x2-MiMo



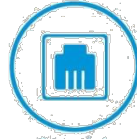
High Throughput



Point-to-Point



Point-to-Multi-Point



Gigabit Ethernet



Hardware Watchdog

AL6L WIRELESS BRIDGE DATASHEET

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
- Support 802.3at protocol (POE+)
- IP67

**Wireless controller needs to be purchased separately*

HARDWARE

Dimensions	277 mm x 195 mm x 62 mm 10.91 in x 7.68 in x 2.44 in
Weight	1.6 kg 3.84 lbs
Installation	Pole mounting 60 mm ≤ Diameter ≤ 130 mm 2.36 in ≤ Diameter ≤ 5.12 in
Protection Level	IP67
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	26dBm
Working Temperature	-40 °C ~ 70 °C -40 °F ~ 158 °F
Storage Temperature	-40 °C ~ 85 °C -40 °F ~ 185 °F
Working Humidity	5 ~ 95% RH Non-condensing
Surge	DM: -48V/RTN:1.5KV (1.2/50us 42ohm; 10/700us 40ohm) CM: 6KV (1.2/50us 42ohm)
ESD Protection	Contact 8KV, Air 12KV
Wind Survivability	150 km/h

AL6L WIRELESS BRIDGE DATASHEET

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	AP, Station, WDS AP, WDS Station
Security	WPA2-PSK, Hidden SSID, IP/MAC Filtering
Network Mode	Bridge/ Router
Management	Support Web/AC/SNMP
Other	Timed restart, Support 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 (combined)	25dBm	+/- 2dBm	VHT80 MCS0	-84dBm	+/- 2dBm
	VHT80 MCS9 (joint road)	19dBm	+/- 2dBm	VHT80 MCS9	-58dBm	+/- 2dBm

AL6L WIRELESS BRIDGE DATASHEET

DIMENSIONS AND INTERFACE



Contact us today
www.sunwave.com