

## MX-A5080-11I Outdoor 802.11ac Wireless Bridge (3km)

### Features

- 5.8GHz frequency band, strong anti-interference ability
- Qualcomm® 560MHz frequency industrial grade CPU
- 300Mbps transfer rate
- 3km long distance transmission
- Built-in PA, strong signal, high-speed transmission
- Compliant with IEEE802.11a/n standard
- Built-in 11dBi gain antenna, wide transmission and reception rate
- Automatically adjust the transmission distance to avoid co-channel interference
- Signal indicator light assists in adjusting the angular alignment of the device
- With routing, AP, relay, wireless bridge and other working modes
- Exquisite shape, more flexible for engineering usage
- Outdoor installation is convenient, easy to disassemble and easy to use
- Outdoor safety protection, suitable for wind, frost, rain and snow situations
- Rotated bracket is convenient to use



### Description

MX-A5080-11I Outdoor 802.11ac Wireless Bridge (3km) supports a 5.8GHz frequency band with strong anti-interference ability, built-in Qualcomm® 560MHz frequency industrial grade CPU, convenient outdoor installation, easy to disassemble and use.

### Advantage

- Adapt to harsh outdoor environments and flexible for engineering usage

The shell is carefully selected with special design to ensure it can meet the requirement of waterproof, lightning protection, frost resistance, shock resistance; oxidation resistance, extrusion resistance, and high temperature resistance. All kinds of harsh outdoor environments can be easily dealt with.

- Qualcomm® chip + PA amplifier

The Qualcomm® AR9344 560MHz chip go through repeatedly applied and practiced to ensure its good stability and functionality. It is also equipped with a power amplifier SKY85735 to increase the power of the device.

- 5.8GHz anti-interference, 300Mbps transmission

Works in the 5.8GHz frequency band, less occupation with multiple available channels and strong anti-interference ability. Meanwhile, it supports 300Mbps fast transmission rate to ensure stable, fast and high-definition signal transmission.

- 11dBi high gain directional antenna, HD transmission

Equipped with a 5.8GHz antenna, with a gain of 11dBi, to ensure that the bridge transmits high-definition picture quality, without delay or freeze for an easier projects.

# Nanjing MAXON O.E. TECH. CO., LTD

Add: 6/F, Building A3, Zidong International Creative Park, Zidong Road, Qixia District, Nanjing, China.

## Specification

HARDWARE	
Hardware Specifications	Qualcomm® AR9344 560Mhz CPU RAM: 64MB Flash: 8MB Power amplifier chip: SKY85735
Antenna Specifications	11dBi 5.8GHz Antenna
Wireless standard	support IEEE802.11a/an standard
RF parameters	Maximum transmit power: 200mW (23dBm) Maximum receiving sensitivity: -96dBm Operating frequency: 802.11a/an : 5.180GHz-5.825GHz
Modulation technology	DSSS: DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11Mbps OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps MIMO-OFDM: MCS 0-15
Wireless rate	5.8GHz: 300Mbps
Physical connector	1x 10/100Mbps WAN RJ45 Ethernet port 1x 10/100Mbps LAN RJ45 Ethernet port 1x RESET button
Indicator	8x: power, WAN, LAN, WIFI, signal strength (1 to 4)
Power supply	9-24V POE power supply
Maximum power consumption	<8W
Protection class	2KV lightning protection IP65 waterproof level
MTBF	>250000H
Installation	pole-mounted
Shell	imported ABS material, plastic shell
Physical characteristics	Dimensions: 165*95*51mm Weight: 156g
Use environment	Working temperature: -30℃~65℃/-22~149°F Storage temperature: -50℃~75℃/-58~167°F Working humidity: 10%~90%RH non-condensing Storage humidity: 5%~90%RH non-condensing

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Nanjing MAXON O.E. TECH. CO., LTD

TEL: 86-25-86380932

WEB: [www.mxcomm.cn](http://www.mxcomm.cn)

E-MAIL: [info@maxonc.com](mailto:info@maxonc.com)

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SOFTWARE	
Wireless working mode	AP, Client
network settings	LAN port connection: static IP, dynamic IP
wireless setting	802.11an mode
	Automatic channel selection
	Transmit power adjustment
	WDS
	Wireless Security: WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) encryption
	SSID broadcast/hidden
	Distance setting
	Channel bandwidth selection
	Advanced Settings: Beacon Time Slot, RTS Threshold, Fragmentation Threshold, DTIM Interval, AP Isolation, Short
	GI, WMM
Management and maintenance	HTTP WEB management
	System log
	Time and NTP settings
	Wireless Condition Monitoring Program
System Tools	System Status: Signal Strength, Noise Strength, Transmission CCQ, CPU Usage, Memory Usage
	Status Monitoring: Throughput/Wireless Client/Interface/ARP
	rate test
	Ping

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