



# Indoor and Outdoor Access Point

Catalogue



Revision: 220517

## Outdoor 802.11ac AP Comparison Chart



### HARDWARE SPECIFICATIONS

MODEL	MMJ563 Plus	MMJ563	MMJ344 Plus	MMJ344	MMS344	MPS344
Wi-Fi	MU-MIMO AC867	MU-MIMO AC867 + N300	AC867 + N300	5GHz AC867	5GHz AC867	AC867 + N300
CONCURRENT DUAL BAND	✓	✗	✓	✗	✗	✓
STANDARDS	802.11 a/b/g/n/ac/ ac Wave 2	802.11 a/b/g/n/ac/ ac Wave 2	802.11 a/b/g/n/ac	802.11 a/n/ac	802.11 a/n/ac	802.11 a/b/g/n/ac
MIMO	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2
RADIO POWER (AGGREGATE)	28dBm @ 5GHz	26dBm @ 2.4GHz 28dBm @ 5GHz	26dBm @ 2.4GHz 30dBm @ 5GHz	30dBm @ 5GHz	30dBm @ 5GHz	26dBm @ 2.4GHz 30dBm @ 5GHz
CPU	QCA9563	QCA9563	AR9344	AR9344	AR9344	AR9344
PROCESSOR SPEED	775MHz	775MHz	560MHz	560MHz	560MHz	560MHz
ETHERNET	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
SYSTEM MEMORY	128MB	128MB	128MB	128MB	128MB	128MB
ANTENNA	Integrated 1 x 17dBi @ 5GHz Dual-polarisation antenna 2 x 7dBi @ 2.4GHz Omni Dipole array antenna	Integrated 1 x 17dBi 5GHz Du- al-polarisation antenna	Integrated 1 x 17dBi @ 5GHz Dual-polarisation antenna 2 x 7dBi @ 2.4GHz Omni Dipole array antenna	Integrated 1 x 17dBi 5GHz Du- al-polarisation antenna	Integrated 1 x 19dBi 5GHz Polarisation antenna	Integrated 2 x 6.5dBi 2.4GHz Dual-polarisation 2 x 7dBi at 5GHz Dual-polarisation antenna
POWER OPTIONS	24-56V Passive PoE or 802.3af/at <sup>1</sup>					
PWR CONSUMPTION			10W (Max)	14.5W (Max)	10W (Max)	14.5W (Max)
WEATHERPROOF	IP53 Compliant	IP53 Compliant	IP53 Compliant	IP53 Compliant	IP67 Compliant	IP67 Compliant
LED INDICATOR	✓	✓	✓	✓	✓	✓
BUZZER	✓	✓	✓	✓	✓	✓
OPENWRT SUPPORT	✓	✓	✓	✓	✓	✓
OPERATING ENVIRONMENT	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
CERTIFICATION	RoHS Compliance	RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance
DIMENSION (W x H x D)	278.5 x 122.2 x 94.5 mm	278.5 x 122.2 x 94.5 mm	278.5 x 122.2 x 94.5 mm	278.5 x 122.2 x 94.5 mm	257 x 257 x 86 mm	261.5 x 261.5 x 133 mm

## Outdoor 802.11n AP Comparison Chart



### HARDWARE SPECIFICATIONS

MODEL	MMJ531	MMJ342 Plus	MMJ342	MML342
Wi-Fi	2.4GHz N300	2.4GHz + 5GHz N300	5GHz N300	5GHz N300
CONCURRENT DUAL BAND	✗	✓	✗	✗
STANDARDS	802.11 b/g/n	802.11 a/b/g/n	802.11 a/n	802.11 a/n/ac
MIMO	2 x 2	2 x 2	2 x 2	2 x 2
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz	26dBm @ 2.4GHz 26dBm @ 5GHz	26dBm @ 5GHz	26dBm @ 5GHz
CPU	QCA9531	AR9342	AR9342	AR9342
PROCESSOR SPEED	650MHz	560MHz	560MHz	560MHz
ETHERNET	2 x 10/100Mbps	2 x 10/100Mbps	2 x 10/100Mbps	2 x 10/100Mbps
SYSTEM MEMORY	64MB	64MB	64MB	64MB
ANTENNA	Integrated 1 x 11dBi 2.4GHz Dual-polarisation antenna	Integrated 1 x 17dBi 5GHz Dual-polarisation antenna 2 x 7dBi 2.4GHz Omni Dipole array antenna	Integrated 1 x 17dBi 5GHz Dual-polarisation antenna	Integrated 1 x 15dBi 5GHz Directional Dual-polarisation antenna
POWER OPTIONS	24V Passive PoE or 24-56V Passive PoE, IEEE 802.3af	24V Passive PoE or 36-56V Passive PoE, IEEE 802.3af		
PWR CONSUMPTION	6.9W (Max)	7.5W (Max)	5W (Max)	5W (Max)
WEATHERPROOF	IP53 Compliant	IP53 Compliant	IP53 Compliant	IP53 Compliant
LED INDICATOR	✓	✓	✓	✓
BUZZER	✓	✓	✓	✓
OPENWRT SUPPORT	✓	✓	✓	✓
OPERATING ENVIRONMENT	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
CERTIFICATION	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance
DIMENSION (W x H x D)	278.5 x 122.2 x 94.5 mm	278.5 x 122.2 x 94.5 mm	278.5 x 122.2 x 94.5 mm	223 x 123 x 60 mm

## Indoor 802.11ac/a/b/g/n AP Comparison Chart



### HARDWARE SPECIFICATIONS

MODEL	MMZ531	MMZ344	MMZ558
Wi-Fi	N300	AC867 + N300	AC1300 + N450
CONCURRENT DUAL BAND	✗	✓	✓
STANDARDS	802.11 b/g/n	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
MIMO	2 x 2	2 x 2	3 x 3
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz	26dBm @ 2.4GHz 30dBm @ 5GHz	26dBm @ 2.4GHz 28dBm @ 5GHz
CPU	QCA9531	AR9344	QCA9558
PROCESSOR SPEED	650MHz	533MHz	700MHz
ETHERNET	2 x 10/100Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
SYSTEM MEMORY	64MB	128MB	128MB
ANTENNA	Integrated 4dBi@2.4GHz Smart Pyramidal Omni-directional antenna	Integrated 4dBi@2.4GHz Smart Pyramidal Omni-directional antenna 5dBi@5GHz Smart Pyramidal Omni-directional antenna	Integrated 4dBi@2.4GHz Smart Pyramidal Omni-directional antenna 5dBi@5GHz Smart Pyramidal Omni-directional antenna
POWER OPTIONS	24-56V Passive POE, IEEE 802.3af, DC Jack	24-56V Passive POE, IEEE 802.3af/at, DC Jack	36-56V Passive POE, IEEE 802.3af/at, DC Jack
PWR CONSUMPTION	6.9W (Max)	10.5W (Max)	13.6W (Max)
CEILING MOUNT DESIGN	✓	✓	✓
LED INDICATOR	✓	✓	✓
RESET BUTTON	✓	✓	✓
OPENWRT SUPPORT	✓	✓	✓
OPERATING ENVIRONMENT	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
CERTIFICATION	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance
DIMENSION (W x H x D)	161.5 x 161.5 x 80 mm	161.5 x 161.5 x 80 mm	161.5 x 161.5 x 80 mm

## Indoor 802.11ac/a/b/g/n AP Comparison Chart



### HARDWARE SPECIFICATIONS

MODEL	MMN531	MMN344	MMN558
Wi-Fi	N300	AC867 + N300	AC1300 + N450
CONCURRENT DUAL BAND	x	✓	✓
STANDARDS	802.11 b/g/n	802.11 a/b/g/n/ac	802.11 a/b/g/n/ac
MIMO	2 x 2	2 x 2	3 x 3
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz	26dBm @ 2.4GHz 30dBm @ 5GHz	26dBm @ 2.4GHz 28dBm @ 5GHz
CPU	QCA9531	AR9344	QCA9558
PROCESSOR SPEED	650MHz	533MHz	700MHz
ETHERNET	2 x 10/100Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
SYSTEM MEMORY	64MB	128MB	128MB
ANTENNA	External 2x 2dBi 2.4GHz + 2x 2dBi 5GHz SMA Rubber Duck Antenna	External 3x 2dBi 2.4GHz + 3x 2dBi 5GHz SMA Rubber Duck Antenna	External 2x 2dBi 2.4GHz SMA Rubber Duck Antenna
POWER OPTIONS	24-56V Passive POE, IEEE 802.3af, DC Jack	24-56V Passive POE, IEEE 802.3af/at, DC Jack	36-56V Passive POE, IEEE 802.3af/at, DC Jack
PWR CONSUMPTION	6.9W (Max)	10.5W (Max)	13.6W (Max)
CEILING MOUNT DESIGN	✓	✓	✓
LED INDICATOR	✓	✓	✓
RESET BUTTON	✓	✓	✓
OPENWRT SUPPORT	✓	✓	✓
OPERATING ENVIRONMENT	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
CERTIFICATION	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance	FCC, CE, RoHS Compliance
DIMENSION (W x H x D)	129 x 129 x 51 mm without antenna	129 x 129 x 51 mm without antenna	129 x 129 x 51 mm without antenna