



OEM/ODM Solutions

Catalogue



Revision: 101018

Outdoor 802.11n AP



HARDWARE SPECIFICATIONS

MODEL	MMJ531	MMJ342 Plus	MMJ342	MML342
Wi-Fi at 2.4GHz	N300	N300	×	×
Wi-Fi at 5GHz	×	N300	N300	N300
CONCURRENT DUAL BAND	×	✓	×	×
STANDARDS	802.11b/g/n	802.11a/b/g/n	802.11a/n	802.11a/n
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 of Board	QCA9531	AR9342	AR9342	AR9342
Chipset of Card	×	AR9283	×	×
PROCESSOR SPEED	650MHz	560MHz	560MHz	560MHz
ETHERNET	2x 10/100Mbps	2x 10/100Mbps	2x 10/100Mbps	2x 10/100Mbps
SYSTEM MEMORY	128MB	64MB	64MB	64MB
ANTENNA	Integrated 11dBi 2.4GHz Dual-polarization antenna	Integrated 2x 7dBi 2.4GHz Dipole array antenna 17dBi 5GHz Dual-polarization antenna	Integrated 17dBi 5GHz Dual-polarization antenna	Integrated 15dBi 5GHz Directional Dual-polarization antenna
POWER OPTIONS	24V Passive PoE (LV) or IEEE 802.3af/at, 24~56V Passive PoE (HV)	24V Passive PoE (LV) or IEEE 802.3af/at, 36~56V Passive PoE (HV)	24V Passive PoE (LV) or IEEE 802.3af/at, 36~56V Passive PoE (HV)	24V Passive PoE (LV) or IEEE 802.3af/at, 36~56V Passive PoE (HV)
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
DIMENSIONS (H x W x D) in mm	278.5 x 122.2 x 94.5	278.5 x 122.2 x 94.5	278.5 x 122.2 x 94.5	278.5 x 122.2 x 94.5

Outdoor 802.11ac Wave 1 AP



HARDWARE SPECIFICATIONS

MODEL	MMJ344 Plus	MMJ344	MMS344	MPS344
Wi-Fi at 2.4GHz	N300	x	x	N300
Wi-Fi at 5GHz	AC867	AC867	AC867	AC867
MU-MIMO	x	x	x	x
CONCURRENT DUAL BAND	✓	x	x	✓
STANDARDS	802.11a/b/g/n/ac	802.11a/n/ac	802.11a/n/ac	802.11a/b/g/n/ac
MIMO	2 x 2	2 x 2	2 x 2	2 x 2
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz 30dBm @ 5GHz	30dBm @ 5GHz	30dBm @ 5GHz	26dBm @ 2.4GHz 30dBm @ 5GHz
CPU of Board	AR9344	AR9344	AR9344	AR9344
Chipset of Card	QCA9882	x	QCA9882	QCA9882
PROCESSOR SPEED	560MHz	560MHz	560MHz	560MHz
ETHERNET	2x 10/100/1000Mbps	2x 10/100/1000Mbps	2x 10/100/1000Mbps	2x 10/100/1000Mbps
SYSTEM MEMORY	128MB	128MB	128MB	128MB
ANTENNA	Integrated 2x 7dBi 2.4GHz Omni Dipole array antenna 17dBi 5GHz Dual-polarization antenna	Integrated 17dBi 5GHz Dual-polarization antenna	Integrated 19dBi 5GHz Dual-polarization antenna	Integrated 6.5dBi 2.4GHz Dual-polarization Omni antenna 7dBi 5GHz Dual-polarization Omni antenna
POWER OPTIONS	IEEE 802.3af/at, 24~56V Passive PoE	IEEE 802.3af/at, 24~56V Passive PoE	IEEE 802.3af/at, 24~56V Passive PoE	IEEE 802.3af/at, 24~56V Passive PoE
PWR CONSUMPTION	14.5W (Max)	10W (Max)	10W (Max)	14.5W (Max)
WEATHERPROOF	IP53 Compliant	IP53 Compliant	IP67 Compliant	IP67 Compliant
LED INDICATOR	✓	✓	✓	✓
BUZZER	✓	✓	x	x
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
DIMENSIONS (H x W x D) in mm	278.5 x 122.2 x 94.5	278.5 x 122.2 x 94.5	257 x 257 x 86	261.5 x 261.5 x 133

Outdoor 802.11ac Wave 2 AP



HARDWARE SPECIFICATIONS

MODEL	MMJ563 Plus	MMJ563
Wi-Fi at 2.4GHz	N300	x
Wi-Fi at 5GHz	AC867	AC867
MU-MIMO	x	x
CONCURRENT DUAL BAND	✓	x
STANDARDS	802.11a/b/g/n/ac	802.11a/n/ac
MIMO	2 x 2	2 x 2
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz 28dBm @ 5GHz	28dBm @ 5GHz
CPU of Board	QCA9563	QCA9563
Chipset of Card	QCA9888	QCA9888
PROCESSOR SPEED	775MHz	775MHz
ETHERNET	2x 10/100/1000Mbps	2x 10/100/1000Mbps
SYSTEM MEMORY	128MB	128MB
ANTENNA	Integrated 2x 7dBi 2.4GHz Omni Dipole array antenna 17dBi 5GHz Dual-polarization antenna	Integrated 17dBi 5GHz Dual-polarization antenna
POWER OPTIONS	IEEE 802.3af/at PoE	IEEE 802.3af/at PoE
PWR CONSUMPTION	14.5W (Max)	14.5W (Max)
WEATHERPROOF	IP53 Compliant	IP53 Compliant
LED INDICATOR	✓	✓
BUZZER	✓	✓
OPENWRT SUPPORT	✓	✓
OPERATING ENVIRONMENT	-20°C to 70°C	-20°C to 70°C
CERTIFICATION	RoHS Compliance	RoHS Compliance
DIMENSIONS (H x W x D) in mm	278.5 x 122.2 x 94.5	278.5 x 122.2 x 94.5

Indoor 802.11ac Wave 2 AP



HARDWARE SPECIFICATIONS

MODEL	2x2 MMZ563	3x3 MMZ563	MMT865HV	2x2 MMN563HV	MMN428HV
Wi-Fi at 2.4GHz	N300	N450	N800	N300	N300
Wi-Fi at 5GHz	AC867	AC1300	AC1733	AC867	AC867
MU-MIMO	✗	✓	✓	✗	✓
CONCURRENT DUAL BAND	✓	✓	✓	✓	✓
STANDARDS	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
MIMO	2 x 2	3 x 3	4 x 4	2 x 2	2 x 2
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz 21dBm @ 5GHz	28dBm @ 2.4GHz 26dBm @ 5GHz	26dBm @ 2.4GHz 26dBm @ 5GHz	26dBm @ 2.4GHz 21dBm @ 5GHz	22dBm @ 2.4GHz 21dBm @ 5GHz
CPU of Board	QCA9563	QCA9563	IPQ8065	QCA9563	IPQ4028
Chipset of Card	QCA9888	QCA9982	2x QCA9984	QCA9888	✗
PROCESSOR SPEED	775MHz	775MHz	1.7GHz	775MHz	710MHz
ETHERNET	2x 10/100/1000Mbps	2x 10/100/1000Mbps	5x 10/100/1000Mbps	2x 10/100/1000Mbps	2x 10/100/1000Mbps
SYSTEM MEMORY	128MB	128MB	1GB	128MB	256MB
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	Internal, 5~6dBi for 2.4GHz band and 6~7dBi for 5GHz band	External, 2dBi for 2.4GHz band and 2dBi for 5GHz band	Internal, 6~8dBi for 2.4GHz band and 4~5dBi for 5GHz band
POWER OPTIONS	IEEE 802.3af/at PoE, DC Jack 12~24V	IEEE 802.3af/at PoE, DC Jack 12~24V	IEEE 802.3af/at PoE, DC Jack 12~24V	IEEE 802.3af/at, 36~56V Passive PoE, DC Jack 12~24V	IEEE 802.3af/at, 36~56V Passive PoE, DC Jack 24~56V
PWR CONSUMPTION	TBD	13.6W	20W (Max)	16W (Max)	19W
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	-20°C to 70°C	-20°C to 70°C
CERTIFICATION	RoHS Compliance	RoHS Compliance	RoHS and REACH compliant	RoHS Compliance	RoHS Compliance, CE and FCC pending
DIMENSIONS (L x W x H) in mm	161.5 x 161.5 x 80	161.5 x 161.5 x 80	220 x 220 x 47	129 x 129 x 51	129 x 129 x 51

Indoor 802.11ac Wave 1 AP



HARDWARE SPECIFICATIONS

MODEL	MMZ344	MMZ558	MMP418	3x3 MMN563HV
Wi-Fi at 2.4GHz	N300	N450	N300	N450
Wi-Fi at 5GHz	AC867	AC1300	AC867	AC1300
MU-MIMO	✗	✗	✗	✗
CONCURRENT DUAL BAND	✓	✓	✓	✓
STANDARDS	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n/ac
MIMO	2 x 2	3 x 3	2 x 2	3 x 3
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz 24dBm @ 5GHz	28dBm @ 2.4GHz 26dBm @ 5GHz	23dBm @ 2.4GHz 19dBm @ 5GHz	28dBm @ 2.4GHz 25dBm @ 5GHz
CPU of Board	AR9344	QCA9558	IPQ4018	QCA9563
Chipset of Card	QCA9882	QCA9880	✗	QCA9880
PROCESSOR SPEED	560MHz	700MHz	710MHz	775MHz
ETHERNET	2x 10/100/1000Mbps	2x 10/100/1000Mbps	3x 10/100/1000Mbps	2x 10/100/1000Mbps
SYSTEM MEMORY	128MB	128MB	256MB	128MB
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	Internal, 2dBi for 2.4GHz band and 5dBi for 5GHz band	Internal, 6~7dBi for 2.4GHz band and 6~7dBi for 5GHz band
POWER OPTIONS	IEEE 802.3af/at, 24~56V Passive PoE, DC Jack 24~56V	IEEE 802.3af/at, 36~56V Passive PoE, DC Jack 24~56V	DC Jack 12~24V	IEEE 802.3af/at, 36~56V Passive PoE, DC Jack 12~24V
PWR CONSUMPTION	10.5W (Max)	13.6W (Max)	15W	15W (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 65°C	-20°C to 70°C
CERTIFICATION	FCC, CE, RoHS Compliance	RoHS Compliance	Pending	RoHS Compliance, CE and FCC pending
DIMENSIONS (L x W x H) in mm	161.5 x 161.5 x 80	161.5 x 161.5 x 80	112 x 90 x 32	129 x 129 x 51

Indoor 802.11n AP



HARDWARE SPECIFICATIONS

MODEL	MMZ531
Wi-Fi at 2.4GHz	N300
Wi-Fi at 5GHz	x
MU-MIMO	x
CONCURRENT DUAL BAND	x
STANDARDS	802.11b/g/n
MIMO	2 x 2
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz
CPU of Board	QCA9531
Chipset of Card	x
PROCESSOR SPEED	650MHz
ETHERNET	2x 10/100Mbps
SYSTEM MEMORY	128MB
ANTENNA	Integrated 4dBi 2.4GHz Smart Pyramidal Omni-directional antenna
POWER OPTIONS	IEEE 802.3af/at, 24~56V Passive PoE, DC Jack 24~56V
PWR CONSUMPTION	6.9W (Max)
CEILING MOUNT DESIGN	✓
LED INDICATOR	✓
RESET BUTTON	✓
OPENWRT SUPPORT	✓
OPERATING ENVIRONMENT	-20°C to 70°C
CERTIFICATION	FCC, CE, RoHS Compliance
DIMENSIONS (L x W x H) in mm	161.5 x 161.5 x 80