



# OEM/ODM Solutions

Catalogue



Revision: 101018

## Outdoor 802.11n AP



### HARDWARE SPECIFICATIONS

MODEL	MML342 Plus	MML342
Wi-Fi at 2.4GHz	N300	✘
Wi-Fi at 5GHz	N300	N300
CONCURRENT DUAL BAND	✓	✘
STANDARDS	802.11a/b/g/n	802.11a/n
MIMO	2 x 2	2 x 2
RADIO POWER (AGGREGATE)	26dBm @ 2.4GHz 26dBm @ 5GHz	26dBm @ 5GHz
CPU of Board	AR9342	AR9342
Chipset of Card	AR9283	✘
PROCESSOR SPEED	560MHz	560MHz
ETHERNET	2x 10/100Mbps	2x 10/100Mbps
SYSTEM MEMORY	64MB	64MB
ANTENNA	Integrated 2x 7dBi 2.4GHz Dipole array antenna 17dBi 5GHz Dual-polarization antenna	Integrated 15dBi 5GHz Directional Dual-polarization antenna
POWER OPTIONS	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	7.5W (Max)	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	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

## Outdoor 802.11ac Wave 2 AP



### HARDWARE SPECIFICATIONS

MODEL	MML563HV Plus	MML563HV
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

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