

# AMAPK Product Roadmap

March 27<sup>th</sup> 2018



Advanced Module Packaging Solution

# New Product Launch in 2018-Q2

- AP6236
- AP6256
- AP6474
- AP6233F2
- AP6201
- AP6398S
- AP6398P
- AP6275S
- AP6275P
- AP6398SR3
- AP6398PR3
- AP6275SR3
- AP6275PR3
- AP6336
- AP6765
- AP5181
- AP5162
- AP5814A
- AP5236
- AP5256
- AP5201
- AP6158
- AP6216A

# **Stamp Type & 1T1R**

# Stamp Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6181	12*12*1.5mm	802.11 b/g/n	SDIO2.0	HT20	N/A	MP
AP6210B	12*12*1.5mm	N/A	UART	N/A	2.1+4.0	MP
AP6212A	12*12*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.1	MP
AP6236	12*12*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.2	Sample Ready

# Stamp Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6255	12*12*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+4.2	MP
AP6256	12*12*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+5.0	Sample Ready

# Stamp Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6474	12*12*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+ 4.1	MP

# Stamp Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi

2.4GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6233F2	12*12*1.6mm	802.11 b/g/n	SDIO2.0	HT20	NA	Sample Ready

# Stamp Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6201	12*12*1.5mm	802.11 b/g/n	SDIO3.0 + UART	HT20	2.1+5.0	Sample Ready



# **Stamp Type & 2T2R**

# Stamp Type & 2T2R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP62X8	27*18*2.55mm	802.11 ac/a/b/g/n	USB 2.0	HT80	2.1+4.2	MP
AP62X2	13*15*1.5mm	802.11 a/b/g/n	SDIO3.0 + UART	HT40	2.1+4.1	MP
AP6356S	13*15*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+4.1	MP
AP6398S	13*15*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+5.0	Sample Ready
AP6398P	13*15*1.5mm	802.11 ac/a/b/g/n	PCIe + UART	HT80	2.1+5.0	Sample Ready
AP6275S	13*15*1.5mm	802.11 ax/ac/a/b/g/n	SDIO3.0 + UART	TBD	2.1+5.0	2018Q3
AP6275P	13*15*1.5mm	802.11 ax/ac/a/b/g/n	PCIe + UART	TBD	2.1+5.0	2018Q3

# Stamp Type & 2T2R

Antenna Diversity   Low Power   High Power   **3 Antenna**   GPS   Wi-Fi /BT   2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6398SR3	13*15*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+5.0	Sample Ready
AP6398PR3	13*15*1.5mm	802.11 ac/a/b/g/n	PCle + UART	HT80	2.1+5.0	Sample Ready
AP6275SR3	13*15*1.5mm	802.11 ax/ac/a/b/g/n	SDIO3.0 + UART	TBD	2.1+5.0	2018Q3
AP6275PR3	13*15*1.5mm	802.11 ax/ac/a/b/g/n	PCle + UART	TBD	2.1+5.0	2018Q3

**Antenna Diversity Supported**

# Antenna Diversity Supported

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6355SD (NGFF)	12*16*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+4.2	MP
AP6336 (Stamp type)	12*12*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.2	Sample Ready

**NGFF | Solder Down**

# NGFF – Solder Down

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6212SD (1T1R)	12*16*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.1	MP
AP6356SDPX (2T2R)	12*16*1.5mm	802.11 ac/a/b/g/n	PCIE + (USB/UART)	HT80	2.1+4.1	MP



**Industrial Grade**



# Industrial Grade

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6738SD (NGFF)	12*16*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.1	MP
AP12356_I (HMC card)	29.85*26.65 *2.64mm	802.11 ac/a/b/g/n	PCIE + USB	HT80	2.1+4.1	MP
AP6765 (Stamp type)	12*12*1.5mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+4.2	Sample Ready

**LGA Type & 1T1R**

# LGA Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6214A	7*7*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.1	MP
AP5814A	6.5x5x1 mm	802.11 b/g/n	SDIO 2.0 + UART	HT20	2.1+4.1	Sample Ready
AP5236	6.5x5x1 mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.2	2018Q3
AP5256	8*8*1.2mm	802.11 ac/a/b/g/n	SDIO3.0 + UART	HT80	2.1+5.0	2018Q2
AP5201	8*8*1.2mm	802.11 b/g/n	SDIO3.0 + UART	HT20	2.1+5.0	2018Q3
AP6216A	7*7*1.5mm	802.11 b/g/n	SDIO2.0 + UART	HT20	2.1+4.2	2018Q3

# LGA Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi

2.4 GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP5181	7x7x1.2 mm	802.11 b/g/n	SDIO 2.0	HT20	N/A	Sample Ready
AP5162	7x7x1.5 mm	802.11 b/g/n	SDIO 2.0	HT20	N/A	2018Q2

# LGA Type & 1T1R

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model Name	Size	Wi-Fi	Interface	HT	BT	Status
AP6158	7*7*1.5mm	N/A	UART	N/A	N/A	2018Q3



**IoT Module**

# IoT Module

Antenna Diversity

Low Power

High Power

3 Antenna

GPS

Wi-Fi /BT

2.4 & 5GHz

Model name	Size	Wi-Fi	BT	SPI	I2S	UART	GPIO	MCU	Status
WSDB-750GN	16 x 32 x 3.1	802.11b/g/n	N/A	●	●	●	●	STM411	MP
WSDB-751GNB	16 x 32 x 3.1	802.11b/g/n	4.0	●	●	●	●	STM411	MP
WSDB-753GN	16 x 32 x 3.1	802.11a/b/g/n	N/A	●	●	●	●	STM411	MP
WSDB-762GNB	16 x 32 x 3.1	802.11a/b/g/n	4.0	●	●	●	●	STM411	MP

# Thank You

AMPAK is your best partner



Advanced Module Packaging Solution