

	High Performance Series						Low Power Series				
	MTK AP SOC Series			HF-MC300 SOC Series			RDA SOC Series				
	HF-A12	HF-A21	HF-A21-SMT	HF-LPB120	HF-LPT120	HF-LPT120A	HF-LPB130	HF-LPT130A	HF-LPT230	HF-LPT330	HF-LPT135
Product Picture											
Production	2011/Q3	2016/Q1	2015/Q1	2015/Q4	2015/Q4	2015/Q4	2017/Q3	2017/Q3	2017/Q3	2018/Q1	2018/Q2
Recommended		√	√	√	√	√	√	√	√	√	√
Key Feature	Hardware AP Solution 2 x Ethernet	Hardware AP Solution Ethernet SDK Support Lower Price	Hardware AP Solution Ethernet SDK Support Lower Price	SDK Support SmartLink Config	SDK Support SmartLink Config Small Size	SDK Support SmartLink Config Small Size Strong Signal Strength	SDK Support SmartLink Config	SDK Support SmartLink Config Small Size	SDK Support SmartLink Config Small Size Strong Signal Strength	SDK Support SmartLink Config Small Size Strong Signal Strength	SDK Support SmartLink Config Small Size
Processor	MIPS MTK	MIPS MTK 7688 SOC	MIPS MTK 7688 SOC	ARM7 HF-MC300 SOC	ARM7 HF-MC300 SOC	ARM7 HF-MC300 SOC	Cortex M4 RDA SOC	Cortex M4 RDA SOC	Cortex M4 RDA SOC	Cortex M4 RDA SOC	Cortex M4 RDA SOC
Basic Frequency	380MHz	380MHz	380MHz	96MHz	96MHz	96MHz	160MHz	160MHz	160MHz	160MHz	160MHz
Operating System	Ecos	Ecos	Ecos	Contiki	Contiki	Contiki	mbed	mbed	mbed	mbed	mbed
Wi-Fi Standard	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn	802.11bgn
Certification	CE/FCC	CE/FCC	CE/FCC	CE/FCC/RoHSSRR C/Reach	CE/FCC/SRRRCro HS	CE/FCC/SRRRCro HS	CE/FCC/SRRRCro HS	CE/FCC/SRRRCro HS	CE/FCC/SRRRCro HS		
Temp. Range	-40~+85	-40~+85	-40~+85	-20~+85	-20~+85	-20~+85	-40~+125	-40~+125	-40~+125	-40~+125	-40~+125
Internal Antenna	√	√	√	√	√	√	√	√	√	√	√
I-PEX Connector	√	√	√	√	√	RF Pad	√	√	√	√	√
Size (mm)	45 x 32 x 8	25x40x8	25x40x3	23.1x32.8x3.45	22x13.5x6	22x13.5x6	23.1x32.8x3.45	22x13.5x6	22x13.5x3	24x16x3mm	30.5x45.7x3.45
Package Type	DIP2x12	DIP2x7	SMT26	SMT34	DIP10	DIP10	SMT34	DIP10	SMT17	SMT16	2x4 Connector
Work Voltage	3.3V	3.3V	3.3V	2.95~3.6V	2.95~3.6V	2.95~3.6V	2.9~4.2V	2.9~4.2V	2.9~4.2V	2.9~4.2V	5V
Current @No data	~180mA	~170mA	~170mA	~30mA	~30mA	~30mA	~30mA	~30mA	~30mA	~30mA	~30mA
Current @Tx Peak	~400mA	~400mA	~400mA	~280mA	~280mA	~280mA	~280mA	~280mA	~280mA	~280mA	~280mA
Resource-Flash	1MB/2MB	2MB	2MB	2MB	2MB	2MB	1MB/4MB	1MB/4MB	1MB/4MB	1MB/4MB	1MB/4MB
Resource-RAM	>1MB	8MB	8MB	192KB	192KB	192KB	352KB/448KB	352KB/448KB	352KB/448KB	352KB/448KB	352KB/448KB
Interface-UART	2	1	2	2	2	2	2	2	2	2	2
Interface-PWM							5	5	5	5	
Interface-SPI							1	5	1	1	
Interface-Ethernet	√	√	√								
Interface-GPIO	√	√	√	√ (8)	√ (5)	√ (5)	√ (15)	√ (5)	√ (11)	√ (5)	
Interface-A/D											
AP Mode	√(Max 20 STA)	√(Max 20 STA)	√(Max 20 STA)	√(Max 4 STA)	√(Max 4 STA)	√(Max 4 STA)	√(Max 8 STA)	√(Max 8 STA)	√(Max 8 STA)	√(Max 8 STA)	√(Max 8 STA)
STA Mode	√	√	√	√	√	√	√	√	√	√	√
AP+STA Mode	√	√	√				√	√	√	√	√
Wi-Fi Repeater	√	√	√								
WPS Function							√(2018/Q2)	√(2018/Q2)	√(2018/Q2)	√(2018/Q2)	√(2018/Q2)
Web Server	√	√	√	√	√	√	√(1MB/4MB Different)	√(1MB/4MB Different)	√(1MB/4MB Different)	√(1MB/4MB Different)	√(1MB/4MB Different)
OTA Upgrade	√	√	√	√	√	√	√	√	√	√	√
Smart Configure				√	√	√	√	√	√	√	√
SmartLink V7 X APP				√	√	√	√	√	√	√	√
Airkiss Configure				√	√	√	√	√	√	√	√
SDK Support		√	√	√	√	√	√	√	√	√	√