Airoha Station/ Software AP mode Capability IOT Test Report

Product: MT7682

Driver: 20170306_040006

Summary

Test Mode	IOT Device	Test Item	Test Pass	Test Fail
Station Mode	100	400	400	0
Software AP Mode	40	40	40	0

Station Mode Test Condition

[Test Environment]

1. Encryption type is AES to test all test case.

2. Wi-Fi AP Channel is set Auto.

[PASS Criterion]

1. Wireless encryption can Connect and Test in Open air

2. Ping function with number 100 and size 4300 are both ok.

3. Ping DNS: www.yahoo.com.tw

Station Mode Test Result

No.	Chip	AP Band	Vendor	Model	Security	Capability	Scan and link normal	Get DHCP	Ping IP	Ping DNS
1	Broadcom	Dual	Buffalo	WZR-1750DHP	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
2	Atheros	Single	TP-LINK	TL-WR845N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
3	Atheros	Single	FAST	FAST FW150R	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
4	Atheros	Single	BUFFALO	WHR-HP-GN	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
5	Broadcom	Dual	NETGEAR	R7500	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
6	Realtek	Single	Sapido	RB-1842	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
7	Atheros	Dual	NETGEAR	WNDR3800	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
8	Ralink	Single	D-LINK	DIR-685	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
9	Atheros	Single	Linksys	WRT54G2 v1.5	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
10	Broadcom	Single	Linksys	WRT160N V1	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
11	Atheros	Single	Linksys	WRT120N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
12	Broadcom	Single	Linksys	WRT160NL	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
13	Broadcom	Single	NETGEAR	WNR834Bv2	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
14	Realtek	Single	NETGEAR	JNR3210	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
15	Broadcom	Single	NETGEAR	WNR1000 v3	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
16	Atheros	Single	ZyXEL	Prestige 660HW-61	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
17	Atheros	Dual	ZyXEL	Zyxel NWA3160-N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
18	Realtek	Dual	net-core	NW774	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
19	Realtek	Single	TOTO-Link	N300RA	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
20	Broadcom	Single	Huawei	WS330	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
21	Atheros	Single	NETGEAR	WNR2000 v3	WPA2-PSK AES	N	PASS	PASS	PASS	PASS

22	Ralink	Single	AXIMCom	X-108NX	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
23	Atheros	Single	ZyXEL	NBG-460N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
24	Atheros	Single	D-Link	WBR-2310	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
25	Realtek	Dual	net-core	AC1	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
26	Broadcom	Dual	Linksys	WRT320N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
27	Atheros	Single	TP-LINK	TL-WR847N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
28	Realtek	Single	ZIO	VRX-ZIO-1500N(A)	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
29	Atheros	Single	Trendnet	TEW-634GRU	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
30	Broadcom	Dual	net-core	NW765	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
31	Broadcom	Single	Tenda	FH303	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
32	Marvell	Single	Linksys	WRVS4400N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
33	Broadcom	Single	Linksys	WRT300N v1.1	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
34	Broadcom	Single	netis	WF2409	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
35	Broadcom	Dual	Linksys	WRT610N V1	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
36	Texas	Single	D-LINK	Dlink DWL-900AP+	WPA-PSK TKIP	Legacy	PASS	PASS	PASS	PASS
37	Broadcom	Single	BUFFALO	BUFFALO WBR-G54	WPA-PSK AES	Legacy	PASS	PASS	PASS	PASS
38	Broadcom	Dual	Linksys	EA6300v1	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
39	Realtek	Single	net-core	Power4	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
40	Realtek	Single	D-Link	DWL-G700AP	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
41	Ralink	Dual	ASUS	RT-N56U	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
42	Realtek	Single	TP-LINK	TD-W89741N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
43	Ralink	Single	D-LINK	DIR-600 vB2	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
44	Broadcom	Single	Linksys	WRT350N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
45	Atheros	Dual	D-LINK	DAP-2553	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
46	Broadcom	Dual	Linksys	WRT600N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
47	Broadcom	Dual	BUFFALO	WZR-D1800H	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS

48	Ralink	Single	BUFFALO	WHR-G301N	WPA-PSK+WPA2-PSK AES+TKIP	N	PASS	PASS	PASS	PASS
49	Broadcom	Dual	BELKIN	F7D4301v1	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
50	Broadcom	Dual	Linksys	EA6400	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
51	Realtek	Dual	TOTO-Link	A2004NS	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
52	Broadcom	Single	BELKIN	F7D1301v1	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
53	Broadcom	Dual	net-core	NW756	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
54	Marvell	Single	H3C	WBR204g+	WPA-PSK TKIP	Legacy	PASS	PASS	PASS	PASS
55	Atheros	Dual	Linksys	WRT400N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
56	Atheros	Single	Ruckus	Ruckus 2925	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
57	Broadcom	Single	Linksys	WRT150N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
58	Atheros	Single	BUFFALO	WZR-HP-G300NH-AP	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
59	Atheros	Single	D-Link	DI-624	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
60	Atheros	Single	TP-LINK	TL-WR703N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
61	Broadcom	Single	net-core	NI360-S3	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
62	Broadcom	Dual	Asus	RT-AC66U	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
63	Ralink	Single	BELKIN	F5D8235-4 v2	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
64	Broadcom	Dual	ASUS	RT-N66U	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
65	Broadcom	Single	U.S.Robotics	USR5451	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
66	Broadcom	Dual	D-LINK	DIR-890L	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
67	Realtek	Single	Sapido	RB-1800	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
68	Ralink	Single	BELKIN	F5D8235-4 v2	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
69	Broadcom	Single	Asus	RT-N16	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
70	Atheros	Single	D-Link	DIR-300	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
71	Atheros	Single	NETGEAR	WNR3500	WPA2-PSK AES	N	PASS	PASS	PASS	PASS

72	Atheros	Single	BUFFALO	WZR-HP-G450H	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
73	Realtek	Single	Sapido	RB-1202	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
74	Broadcom	Dual	BELKIN	N600 DB (F9K1102v1)	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
75	Atheros	Single	D-LINK	DIR-615	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
76	Ralink	Single	Level One	WBR-6001	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
77	Cisco	Dual	Cisco	AIR-AP 1220A series	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
78	Atheros	Single	TP-LINK	TL-WR740N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
79	Ralink	Dual	EDiMax	BR-6475nD	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
80	Airgo	Single	ASUS	WL-566gM	WPA-PSK+WPA2-PSK AES+TKIP	Legacy	PASS	PASS	PASS	PASS
81	Realtek	Dual	Sapido	BRF61C	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
82	Broadcom	Single	BELKIN	F5D9230-4	WPA-PSK AES	Legacy	PASS	PASS	PASS	PASS
83	Ralink	Dual	D-Link	DIR-859	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
84	DIR-842	Dual	D-Link	DIR-842	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
85	Atheros	Dual	TP-LINK	AC1750 Archer C7	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
86	Atheros	Dual	TP-LINK	TP-WDR3310 v1	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
87	Broadcom	Single	NETGEAR	WGR614v9	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
88	Broadcom	Dual	BCM	BCM94704AGR	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
89	Atheros	Dual	Gateway	Gateway7001 A+G	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
90	Atheros	Dual	D-Link	DIR-855	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
91	Intersil	Dual	Cisco	AIR-AP1230B-A-K9	WPA-PSK TKIP	Legacy	PASS	PASS	PASS	PASS
92	Intersil	Dual	Cisco	AIR-AP1231G-A-K9	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
93	Broadcom	Single	Cisco	M20	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
94	Atheros	Dual	Corega	CG-WLBARAG	WPA-PSK AES	Legacy	PASS	PASS	PASS	PASS
95	Atheros	Dual	D-Link	DI-784	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS

96	Intersil	Single	DELL	WX-6215D	OPEN-NONE	Legacy	PASS	PASS	PASS	PASS
97	Broadcom	Single	D-LINK	DWL-8500AP	WPA2-PSK AES	Legacy	PASS	PASS	PASS	PASS
98	Broadcom	Single	Linksys	WRT-310N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS
99	Broadcom	Dual	D-Link	DIR-868L	WPA2-PSK AES	AC	PASS	PASS	PASS	PASS
100	Atheros	Single	TP-LINK	TL-WR800N	WPA2-PSK AES	N	PASS	PASS	PASS	PASS

Software AP Mode Test Condition

[Test Environment]

1. Encryption type is AES to test all test case.

2. Software AP Channel is set Auto.

[PASS criterion]

1. Wireless encryption can Connect.

2. Ping function with number 65500 is ok.

Software AP Mode Test Result

No.	USB/Card/Phone	Brand	Model	System	Ping
1	Card	Intel	Intel WM3945AGN	NA	PASS
2	Card	Intel	Intel--6300	NA	PASS
3	Card	Intel	Intel--6205	NA	PASS
4	Card	Intel	Intel--6235	NA	PASS
5	Card	Ralink	Ralink--RT3290	NA	PASS
6	Card	Atheros	Atheros--AR9485	NA	PASS
7	USB	EDIMAX	EDIMAX-EW-7822UAC	NA	PASS
8	Card	Broadcom	Broadcom--BCM 43xx1.0 AC	NA	PASS
9	Card	Broadcom	Broadcom--BCM 943228HMB	NA	PASS
10	Card	Intel	Intel--6260#2 802.11bgn	NA	PASS
11	Card	Intel	Intel--6235	NA	PASS
12	Card	Atheros	Atheros--AR928X	NA	PASS
13	Card	Broadcom	Broadcom-- 11n	NA	PASS
14	Card	Intel	Intel 3945ABG	NA	PASS
15	Phone	Apple	iPhone 6 plus	iOS 8	PASS
16	Phone	Apple	Ipad Air	iOS 8.3	PASS
17	Phone	ASUS	Zenfone	Andriod 4.4.2	PASS
18	Phone	Google	Nexus 6	Andriod 7.0	PASS
19	Phone	HTC	D816x	Android 6.0	PASS
20	Phone	HUAWEI	P9Plus VIE-L29	Andriod 6	PASS
21	Phone	LG	LG P970	Android 2.3.4	PASS
22	Phone	LG	LG G Pro E988	Andriod 4.4.2	PASS

23	Phone	LG	LG D855	Andriod 4.4.2	PASS
24	Phone	Mediatek	MT6799	Andriod 7.0	PASS
25	Phone	Meizu	MX5	Andriod 5.1	PASS
26	Phone	MI	MI4LTE-CU	Andriod 4.4.4	PASS
27	Phone	MI	紅米 Note	Andriod 4.4.2	PASS
28	Phone	MI	MI MAX	Andriod 6.0.1	PASS
29	Phone	NOKIA	Lumia 1520	Windows Phone 8.1	PASS
30	Phone	Nubia	NX501	Andriod 4.1.2	PASS
31	Phone	Samsung	S5	Andriod 5.0	PASS
32	Phone	Samsung	note4	Andriod 4.4.4	PASS
33	Phone	Samsung	S3	Andriod 4.3	PASS
34	Phone	Samsung	Galaxy Tab S	Andriod 4.4.2	PASS
35	Phone	Sony	Sony Z (Tablet)	Andriod 4.3.3	PASS
36	Phone	Sony	Sony Z2	Andriod 6.0.1	PASS
37	Phone	Vivo	X play5A	Andriod 5.1.1	PASS
38	Phone	Apple	Ipad mini	iOS 8.1.3	PASS
39	Phone	Nubia	Z9 NX508J	Andriod 5.0.2	PASS
40	Phone	ASUS	Zenfone 5	Andriod 4.4.2	PASS