

LP11A - Feature #497

WIFI

07/22/2024 10:00 PM - mike

Status:	Closed	Start date:	07/22/2024
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Driver_[RK3568/RK3399Pro]	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
:	LP11A	:	
CPU:	RK3399Pro	:	Linux version 4.4.194 (yangyonghao@ubuntu2004) (gcc version 6.3.1 20170404 (Linaro GCC 6.3-2017.05)) #76 SMP Wed Jul 17 15:08:42 CST 2024
:		APP :	-
/ :	-	:	100%
:	03	:	FD7256S
/ :	03	:	YT8521SC
:	\\192.168.1.250\01-Public\wilson_test\rk3399pro\linux\aidong\V3.0\update.img	EMMC :	FEMDNN256G-A3A56

Description

[4]	25.01-26.00	sec	3.54	MBytes	29.9	Mbits/sec	0	529	KBytes
[6]	25.01-26.00	sec	3.42	MBytes	28.9	Mbits/sec	0	486	KBytes
[8]	25.01-26.00	sec	3.44	MBytes	29.0	Mbits/sec	0	475	KBytes
[10]	25.01-26.00	sec	3.37	MBytes	28.5	Mbits/sec	0	424	KBytes
[12]	25.01-26.00	sec	3.35	MBytes	28.2	Mbits/sec	0	430	KBytes
[SUM]	25.01-26.00	sec	17.1	MBytes	144	Mbits/sec	0		

[4]	26.00-27.00	sec	3.04	MBytes	25.5	Mbits/sec	0	529	KBytes
[6]	26.00-27.00	sec	2.94	MBytes	24.7	Mbits/sec	0	486	KBytes
[8]	26.00-27.00	sec	2.87	MBytes	24.1	Mbits/sec	0	475	KBytes
[10]	26.00-27.00	sec	2.84	MBytes	23.8	Mbits/sec	0	424	KBytes
[12]	26.00-27.00	sec	2.84	MBytes	23.8	Mbits/sec	0	430	KBytes
[SUM]	26.00-27.00	sec	14.5	MBytes	122	Mbits/sec	0		

[4]	27.00-28.00	sec	3.18	MBytes	26.6	Mbits/sec	0	529	KBytes
[6]	27.00-28.00	sec	3.09	MBytes	25.9	Mbits/sec	0	486	KBytes
[8]	27.00-28.00	sec	3.04	MBytes	25.5	Mbits/sec	0	475	KBytes
[10]	27.00-28.00	sec	3.02	MBytes	25.3	Mbits/sec	0	424	KBytes
[12]	27.00-28.00	sec	3.06	MBytes	25.7	Mbits/sec	0	430	KBytes
[SUM]	27.00-28.00	sec	15.4	MBytes	129	Mbits/sec	0		

[4]	28.00-29.00	sec	3.43	MBytes	28.7	Mbits/sec	0	529	KBytes
[6]	28.00-29.00	sec	3.35	MBytes	28.0	Mbits/sec	0	486	KBytes
[8]	28.00-29.00	sec	3.42	MBytes	28.6	Mbits/sec	0	475	KBytes
[10]	28.00-29.00	sec	3.24	MBytes	27.1	Mbits/sec	0	424	KBytes
[12]	28.00-29.00	sec	3.21	MBytes	26.8	Mbits/sec	0	430	KBytes
[SUM]	28.00-29.00	sec	16.6	MBytes	139	Mbits/sec	0		

[4]	29.00-30.00	sec	3.15	MBytes	26.5	Mbits/sec	0	529	KBytes
[6]	29.00-30.00	sec	3.14	MBytes	26.5	Mbits/sec	0	486	KBytes
[8]	29.00-30.00	sec	3.13	MBytes	26.3	Mbits/sec	0	475	KBytes
[10]	29.00-30.00	sec	3.12	MBytes	26.3	Mbits/sec	0	424	KBytes
[12]	29.00-30.00	sec	3.11	MBytes	26.2	Mbits/sec	0	430	KBytes
[SUM]	29.00-30.00	sec	15.7	MBytes	132	Mbits/sec	0		

[4]	30.00-31.00	sec	2.95	MBytes	24.7	Mbits/sec	0	529	KBytes
[6]	30.00-31.00	sec	2.89	MBytes	24.3	Mbits/sec	0	486	KBytes
[8]	30.00-31.00	sec	2.91	MBytes	24.4	Mbits/sec	0	475	KBytes
[10]	30.00-31.00	sec	2.93	MBytes	24.6	Mbits/sec	0	424	KBytes
[12]	30.00-31.00	sec	2.85	MBytes	23.9	Mbits/sec	0	430	KBytes
[SUM]	30.00-31.00	sec	14.5	MBytes	122	Mbits/sec	0		

[4]	31.00-32.00	sec	3.21	MBytes	26.9	Mbits/sec	0	529	KBytes
[6]	31.00-32.00	sec	3.16	MBytes	26.4	Mbits/sec	0	486	KBytes
[8]	31.00-32.00	sec	3.08	MBytes	25.8	Mbits/sec	0	475	KBytes
[10]	31.00-32.00	sec	3.04	MBytes	25.4	Mbits/sec	0	424	KBytes
[12]	31.00-32.00	sec	3.03	MBytes	25.3	Mbits/sec	0	430	KBytes
[SUM]	31.00-32.00	sec	15.5	MBytes	130	Mbits/sec	0		

[4]	32.00-33.00	sec	3.22	MBytes	27.1	Mbits/sec	0	529	KBytes
[6]	32.00-33.00	sec	3.22	MBytes	27.1	Mbits/sec	0	486	KBytes
[8]	32.00-33.00	sec	3.18	MBytes	26.7	Mbits/sec	0	475	KBytes
[10]	32.00-33.00	sec	3.13	MBytes	26.3	Mbits/sec	0	424	KBytes
[12]	32.00-33.00	sec	3.16	MBytes	26.5	Mbits/sec	0	430	KBytes
[SUM]	32.00-33.00	sec	15.9	MBytes	134	Mbits/sec	0		

```

root@bionic:~# iw dev wlan0 link
Connected to 88:c3:97:c7:93:03 (on wlan0)
    SSID: neardi_5G
    freq: 5180
    RX: 0 bytes (0 packets)
    TX: 0 bytes (0 packets)
    signal: -50 dBm
    tx bitrate: 77.0 MBit/s 80MHz
root@bionic:~# █

```

History

#1 - 07/23/2024 03:18 PM -

sdio150Mwpa_supplicant 2.10

#2 - 08/14/2024 09:44 AM -

08/14/24 firmware

#3 - 08/21/2024 06:34 PM -

Table 3: Test data of STA mode throughput

Mode	Frequency band	Protocol& bandwidth	UL&DL	Iperf rate(Mbps)	Target rate (Mbps)
STA	2.4G	n-20	TCP_UL	55.5 Mbits/sec	72.2 MBit/s
			TCP_DL	31.1 Mbits/sec	72.2 MBit/s
		n-40	TCP_UL	109 Mbits/sec	150 MBit/s
			TCP_DL	82.4 Mbits/sec	150 MBit/s
		ax-20	TCP_UL	103 Mbits/sec	143.3 MBit/s
			TCP_DL	33.7 Mbits/sec	143.3 MBit/s
		ax-40	TCP_UL	114 Mbits/sec	286.7 MBit/s
			TCP_DL	46.9 Mbits/sec	286.7 MBit/s
	5.8G	n-20	TCP_UL	56.4 Mbits/sec	72.2 MBit/s
			TCP_DL	53.4 Mbits/sec	72.2 MBit/s
		n-40	TCP_UL	106 Mbits/sec	150 MBit/s
			TCP_DL	73.2 Mbits/sec	150 MBit/s
		ac-20	TCP_UL	68.4 Mbits/sec	86.7 MBit/s
			TCP_DL	62.8 Mbits/sec	86.7 MBit/s
		ac-40	TCP_UL	152 Mbits/sec	200 MBit/s
			TCP_DL	59.9 Mbits/sec	200 MBit/s
		ac-80	TCP_UL	195 Mbits/sec	433.3 MBit/s
			TCP_DL	193 Mbits/sec	433.3 MBit/s
		ax-20	TCP_UL	106 Mbits/sec	143.3 MBit/s
			TCP_DL	61.0 Mbits/sec	143.3 MBit/s
		ax-40	TCP_UL	180 Mbits/sec	286.7 MBit/s
			TCP_DL	53.4 Mbits/sec	286.7 MBit/s
		ax-80	TCP_UL	136 Mbits/sec	600.4 MBit/s
			TCP_DL	357 Mbits/sec	600.4 MBit/s

wifiSTA70%.

#4 - 11/04/2024 05:19 PM - mike

- set to FD7256S
- set to YT8521SC
- EMMC set to FEMDNN256G-A3A56

This bug be defined as a feature.

#5 - 11/04/2024 05:20 PM - mike

- Tracker changed from Bug to Feature
- Status changed from New to Closed

Files

clipboard-202407222159-bsdpz.png	79.9 KB	07/22/2024	mike
clipboard-202407222159-lnnbd.png	8.14 KB	07/22/2024	mike

