

Subject: : AmigaOS4

Topic: : Atheros WLAN driver success/failures

Re: Atheros WLAN driver success/failures

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URL:

Just to provide some more test results, I've replaced the WPN311 card with my Amigakit wifi card in my A1-XE to see how it worked.

Using the v2.4 prism driver, I started WM manually and it looks like everything fired up OK and my system is online. Here's the WM output:

Quote:

```
Initializing interface 'prism2.device:0' conf 'ENV:Sys/Wireless.prefs' driver 'default' ctrl_interface 'N/A'
bridge 'N/A'
Configuration file 'ENV:Sys/Wireless.prefs' -> 'ENV:Sys/Wireless.prefs'
Reading configuration file 'ENV:Sys/Wireless.prefs'
Line: 15 - start of a new network block
ssid - hexdump_ascii(len=14):
50 4a 53 77 69 72 65 6c 65 73 73 4e 65 74      PJSwirelessNet
key_mgmt: 0x4
wep_key0 - hexdump(len=13): [REMOVED]
wep_tx_keyidx=0 (0x0)
Priority group 0
id=0 ssid='PJSwirelessNet'
*** [wpa_sm_init] sm->pmksa=0x66f26814 ***
Own MAC address: 00:0e:6a:7a:e8:8c
RSN: flushing PMKID list in the driver
Setting scan request: 0 sec 100000 usec
EAPOL: SUPP_PAE entering state DISCONNECTED
EAPOL: Supplicant port status: Unauthorized
EAPOL: KEY_RX entering state NO_KEY_RECEIVE
EAPOL: SUPP_BE entering state INITIALIZE
EAP: EAP entering state DISABLED
EAPOL: Supplicant port status: Unauthorized
EAPOL: Supplicant port status: Unauthorized
Added interface prism2.device:0
State: DISCONNECTED -> SCANNING
Starting AP scan for wildcard SSID
BSS: Start scan result update 1
```

BSS: Add new id 0 BSSID 00:04:e2:ad:1e:40 SSID 'PJWirelessNet'
BSS: Add new id 1 BSSID 0a:90:7f:8a:c7:24 SSID 'FR'
BSS: Add new id 2 BSSID c0:3f:0e:76:c4:f3 SSID 'Ellens Network'
BSS: Add new id 3 BSSID 1c:af:f7:dc:ad:29 SSID 'pewettco'
BSS: Add new id 4 BSSID f8:e4:fb:d9:f1:b1 SSID 'MLN7Q'
BSS: Add new id 5 BSSID 00:7f:28:99:51:13 SSID 'LFZ7J'
New scan results available
Selecting BSS from priority group 0
Try to find WPA-enabled AP
0: 00:04:e2:ad:1e:40 ssid='PJWirelessNet' wpa_ie_len=0 rsn_ie_len=0 caps=0x431
skip - no WPA/RSN IE
1: 0a:90:7f:8a:c7:24 ssid='FR' wpa_ie_len=0 rsn_ie_len=0 caps=0x411
skip - no WPA/RSN IE
2: c0:3f:0e:76:c4:f3 ssid='Ellens Network' wpa_ie_len=0 rsn_ie_len=0 caps=0x431
skip - no WPA/RSN IE
3: 1c:af:f7:dc:ad:29 ssid='pewettco' wpa_ie_len=0 rsn_ie_len=0 caps=0x431
skip - no WPA/RSN IE
4: f8:e4:fb:d9:f1:b1 ssid='MLN7Q' wpa_ie_len=0 rsn_ie_len=0 caps=0x411
skip - no WPA/RSN IE
5: 00:7f:28:99:51:13 ssid='LFZ7J' wpa_ie_len=0 rsn_ie_len=0 caps=0x411
skip - no WPA/RSN IE
Try to find non-WPA AP
0: 00:04:e2:ad:1e:40 ssid='PJWirelessNet' wpa_ie_len=0 rsn_ie_len=0 caps=0x431
selected non-WPA AP 00:04:e2:ad:1e:40 ssid='PJWirelessNet'
Trying to associate with 00:04:e2:ad:1e:40 (SSID='PJWirelessNet' freq=2452 MHz)
Cancelling scan request
WPA: clearing own WPA/RSN IE
Automatic auth_alg selection: 0x1
WPA: clearing AP WPA IE
WPA: clearing AP RSN IE
WPA: clearing own WPA/RSN IE
No keys have been configured - skip key clearing
State: SCANNING -> ASSOCIATING
Setting authentication timeout: 10 sec 0 usec
EAPOL: External notification - EAP success=0
EAPOL: Supplicant port status: Unauthorized
EAPOL: External notification - EAP fail=0
EAPOL: Supplicant port status: Unauthorized
EAPOL: External notification - portControl=ForceAuthorized
EAPOL: Supplicant port status: Unauthorized
Association info event
req_ies - hexdump(len=2): 00 00
WPA: clearing own WPA/RSN IE
State: ASSOCIATING -> ASSOCIATED
Associated to a new BSS: BSSID=00:04:e2:ad:1e:40
Associated with 00:04:e2:ad:1e:40
WPA: Association event - clear replay counter
WPA: Clear old PTK
EAPOL: External notification - portEnabled=0
EAPOL: Supplicant port status: Unauthorized
EAPOL: External notification - portValid=0

EAPOL: Supplicant port status: Unauthorized

EAPOL: External notification - portEnabled=1

EAPOL: SUPP_PAE entering state S_FORCE_AUTH

EAPOL: Supplicant port status: Authorized

EAPOL: SUPP_BE entering state IDLE

Cancelling authentication timeout

State: ASSOCIATED -> COMPLETED

CTRL-EVENT-CONNECTED - Connection to 00:04:e2:ad:1e:40 completed (auth) [id=0 id_str=]

Cancelling scan request

EAPOL: disable timer tick

BSS: Expire BSS 1 due to age

BSS: Remove id 1 BSSID 0a:90:7f:8a:c7:24 SSID 'FR'

BSS: Expire BSS 2 due to age

BSS: Remove id 2 BSSID c0:3f:0e:76:c4:f3 SSID 'Ellens Network'

BSS: Expire BSS 3 due to age

BSS: Remove id 3 BSSID 1c:af:f7:dc:ad:29 SSID 'pewettco'

BSS: Expire BSS 4 due to age

BSS: Remove id 4 BSSID f8:e4:fb:d9:f1:b1 SSID 'MLN7Q'

BSS: Expire BS

Hopefully, the Amigakit card stays online longer here than it does on my SAM. I'll keep a shell pinging the router and see what happens.

I hope this helps with your development.

Thanks,

PJS