Wifi

See also packages to install fo AP

Wifi

Useful Command

`iwlist mlan0 scan`	scan the Wifi frequencies to list what is out there
`iw list`	lists the capabilities of the Wifi card
`iwconfig mlan0 channel 6 essid WV2X mode ad-hoc`	setup the card in adhoc mode for V2X connectivity

Wifi - Client

owa4x_enable_wifi 1

ping -c3 0 > /dev/null
ip link set mlan0 up
ping -c3 0 > /dev/null
#ifconfig mlan0 10.0.0.247 netmask 255.255.248.0 up
wpa_supplicant -Dwext -i mlan0 -c /home/debian/wpa.cfg -B

Restart the whole networking after cfg changes like in /etc/network/:

service networking restart

Wifi - adhoc

The module SPB209A supports ad-hoc (IBSS) mode.

We have tested it now communicating two owa4x on this mode. We have just followed the instructions on

https://wiki.debian.org/WiFi/AdHoc

The most important command among these that we have used here:

iwconfig mlan0 channel 1 essid MYNETWORK mode ad-hoc

Then you can set this mode in a wpa_supplicant configuration file (mode=1) to add security to the communication:

http://w1.fi/cgit/hostap/plain/wpa_supplicant/wpa_supplicant.conf

Another interesting link:

https://wiki.archlinux.org/index.php/ad-hoc_networking