

BALI/BALI M.2 (802.11 a/b/g/n/ac Wi-Fi + BT 5.0) EVIA/EVIA M.2 (802.11 a/b/g/n/ac Wi-Fi only) PCI Quick Start Guide

- ❖ Unpack the Kit box and verify all the items are available or not
- ❖ Insert the BALI PCIe EVK into Ixora mini PCIe slot X25
- ❖ Connect USB RS232 adapter cable between PC USB port and Ixora X22 port
- ❖ Observe serial port is detected on PC. Open it using PuTTY
- ❖ Power the Ixora board by connecting adaptor to X2
- ❖ Press On/Off button on Ixora Carrier Board to power-up the board and see LED1 is lit
- ❖ Power ON the Access Point with Known ESSID in open mode
- ❖ After boot up, follow below commands to connect to AP in open mode:
 - `$ sudo killall wpa_supplicant`
 - `$ sudo killall hostapd`
 - `$ iw dev`
 - `$ ifconfig wlanX up`
 - `$ iw dev wlanX scan`
 - `$ iw dev wlanX connect ESSID`
 - `$ iw dev wlanX link`
 - `$ udhcpc -i wlanX`
 - `$ ping AP_IPv4_Address`
- ❖ Power ON the Access Point with Known ESSID in WPA/WPA2 mode
- ❖ Change ESSID, security parameters in `/etc/wpa_supplicant.conf` file
- ❖ After boot up, follow below commands to connect to AP in WPA/WPA2 mode:
 - `$ sudo killall wpa_supplicant`
 - `$ cd /etc`
 - `$ wpa_supplicant -Dnl80211 -iwlanX -c wpa_supplicant.conf -B`
 - `$ udhcpc -i wlanX`
 - `$ ping AP_IPv4_Address`

