

RDK-B OpenSync

OpenSync activities with RDKB

OpenSync supported platforms

List of supported platforms that has already added OpenSync package in default builds,

Device name	Current OpenSync version	Planned OS release	Build instructions
Turris Omnia Residential GW	OpenSync 3.2.7	4.x with OneWifi	Turris Omnia RDK-B Gateway - Yocto 3.1(Dunfell)
Turris Omnia Extender	OpenSync 2.0.5	OpenSync 3.2.7	RDKB Extender Yocto 3.1 - Dunfell
Raspberrypi 4 extender	OpenSync 2.0.5	OpenSync 3.2.7	RPI 4B Model Reference Platform: Extender build instructions

OpenSync cloud Requirements

To establish connection with Plume cloud server using the OpenSync, follow the cloud Access Guide

[WiFi Extender with Turris Omnia Reference Platform - Cloud Access Guide](#)

OpenSync connection establishment with cloud

OpenSync Backhaul Support

The OpenSync Backhaul Support will enable extender connectivity requires two wireless interfaces as well as bridge and subnet

Wifi dongles connected to device(Raspberry pi 4 example) ,

- Netgear wifi dongle1 (2GHz)
- Netgear wifi dongle2 (5GHz)

OpenSync service should be up and running. List of OpenSync process running,

```
root@raspberrypi4-rdk-extender:~# ps -Af | grep "open"
root      296      1   1 03:54 ?        00:00:03 /usr/sbin/ovsdb-server --remote=punix:/var/run/openvswitch/db.
sock --remote=db:Open_vSwitch,0pb
root      299      1   0 03:54 ?        00:00:02 /usr/sbin/ovs-vswitchd --pidfile=/var/run/openvswitch/ovs-
vswitchd.pid
root      372      1   0 03:54 ?        00:00:00 /usr/opensync/bin/pl2rld
root      375      1   0 03:54 ?        00:00:00 /usr/opensync/bin/dm
root      377     375   0 03:54 ?        00:00:00 /usr/opensync/bin/dm
root      384     377   0 03:54 ?        00:00:00 /usr/opensync/bin/om
root      385     377   0 03:54 ?        00:00:00 /usr/opensync/bin/nm
root      386     377   0 03:54 ?        00:00:00 /usr/opensync/bin/qm
root      387     377   0 03:54 ?        00:00:00 /usr/opensync/bin/xm
root      392     377   0 03:54 ?        00:00:01 /usr/opensync/bin/cm
root      394     377   0 03:54 ?        00:00:00 /usr/opensync/bin/wm
root      398     377   0 03:54 ?        00:00:00 /usr/opensync/bin/sm
root      400     377   0 03:54 ?        00:00:00 /usr/opensync/bin/lm
root      831     385   0 03:54 ?        00:00:00 /sbin/udhcpc -i br-wan -f -p /var/run/udhcpc-br-wan.pid -s /usr
/opensync/bin/udhcpc.sh -t 60 -X
root     1272    308   0 03:59 ttyS0    00:00:00 grep open
```

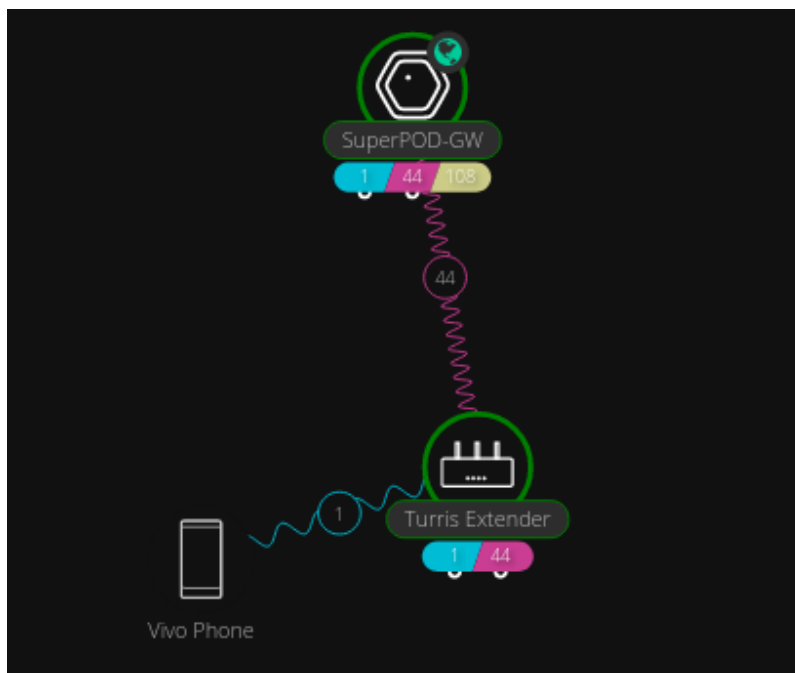
OpenSync Manager should be active

```
root@raspberrypi4-rdk-extender:/usr/opensync/tools# ./ovsh s Manager
```

```
-----  
_uuid      | 5fc9~61e8 |  
_version   | ef39~9332 |  
connection_mode | ["set", []] |  
external_ids | ["map", []] |  
inactivity_probe | 30000 |  
is_connected | true |  
max_backoff | ["set", []] |  
other_config | ["map", []] |  
status     | ["map", [{"sec_since_connect", "137"}, {"state", "ACTIVE"}]] |  
target     | ssl:34.208.159.154:443 |  
-----
```

Plume NOC

Connected client with Turris-Extender,



Current plans

- Stabilising OpenSync_3.2.7 version is being performed by the Plume Team

For more information on OpenSync, visit <https://www.opensync.io/>