



mLinux and AEP Packet Forwarder Application Note

Product: MTAC-LORA-H and FPGA .31 (Semtech Design v1.5)

There are changes needed in order to use the MTAC-LORA-H Rev A or Rev C cards with FPGA .31 code installed. The FPGA code version .31 is the FPGA version that supports the LoRa Spectral Scan feature when used with the updated Semtech HAL.

MultiTech Code Releases

- Minimum software requirements: **mLinux 3.3.9 or AEP 1.4.3.**
- Latest Release: **mLinux 3.3.12 or AEP 1.4.4.**

The latest releases are available on the git.multitech.net site.

The code will be on the .NET site by 9/22/2017.

Third Party Packet Forwarders

Partners and customers building their own LoRa packet forwarders:

- Use Semtech HAL code for LoRa gateway: **Version 4.1.3**
- With packet forwarder: **Version 3.1.0.**

Recipes and Patches

Pull the recipes and the patches needed for proper functioning of the MTAC-LORA-H cards from here:

<http://git.multitech.net/cgi-bin/cgit.cgi/meta-mlinux.git/tree/recipes-connectivity/lora?id=3.3.12>

Recipe for LoRa gateway HAL code – **lora-gateway_4.1.3.bb**

Recipe for packet-forwarder – **lora-packet-forwarder_3.1.0.bb**

Contact your third party packet forwarder provider to verify they have the latest release that supports the MTAC-LORA-H with FPGA .31

Other Notes

Use the **global_config.json** file from the later releases. The config file changes with each new Semtech feature release. Do **NOT** copy and modify an older json file for the new hardware.

Use the latest json file and modify it to for use with the new MTAC-LORA-H hardware and code release.