

AsterNOS VPP

System Installation Manual

V1.0

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1 Detailed Installation Steps

1.1 Serial Port Login

Log in to the device using the serial port.

1.2 Initial ET2500 Installation

1.2.1 Prerequisites

Debian 12 must be installed/booted on ET2500 with EEPROM data written. Verify uboot version: `sudo fw_printenv`. If not latest, upgrade uboot first (see Section 1.3.1).

1.2.2 Configure Device Type

Run:

```
mkdir -p /host/
```

```
cat > /host/machine.conf
```

```
onie_platform=arm64-asterfusion_et2500-r0
```

1.2.3 Install AsterNOS Software Version

1.2.3.1 Network Install

- Network Configuration: After connecting the first panel port to the network, configure a temporary IP address.

```
admin@OCTEONTX:~$ sudo ifconfig Ethernet0 x.x.x.x netmask x.x.x.x
```

- Upload AsterNOS .bin package.
- Execute ./xxx.bin.
- Reboot after completion: reboot.

1.2.3.2 USB Install

- Format USB drive as FAT32.
- Copy .bin file to USB.
- Check the system disk list to determine the drive letter of the USB flash drive: `fdisk -l`
- Mount USB: `sudo mount /dev/sdb1 /mnt/usb/` (adjust sdb1 as needed).

- Execute ./xxx.bin.
- Reboot after completion: reboot.

1.3 Upgrade ET2500 Firmware and Software

1.3.1 Upgrade Uboot Firmware

- Upload uboot package to device.
- Execute ./xxx.
- Reboot: reboot.

1.3.2 Upgrade AsterNOS Software Version

- Upload AsterNOS .bin to /home/admin/.
- Run: sonic# image update xxx.bin.
- Reboot: reboot.