

Running Armbian on GW-08.

Download Armbian image.

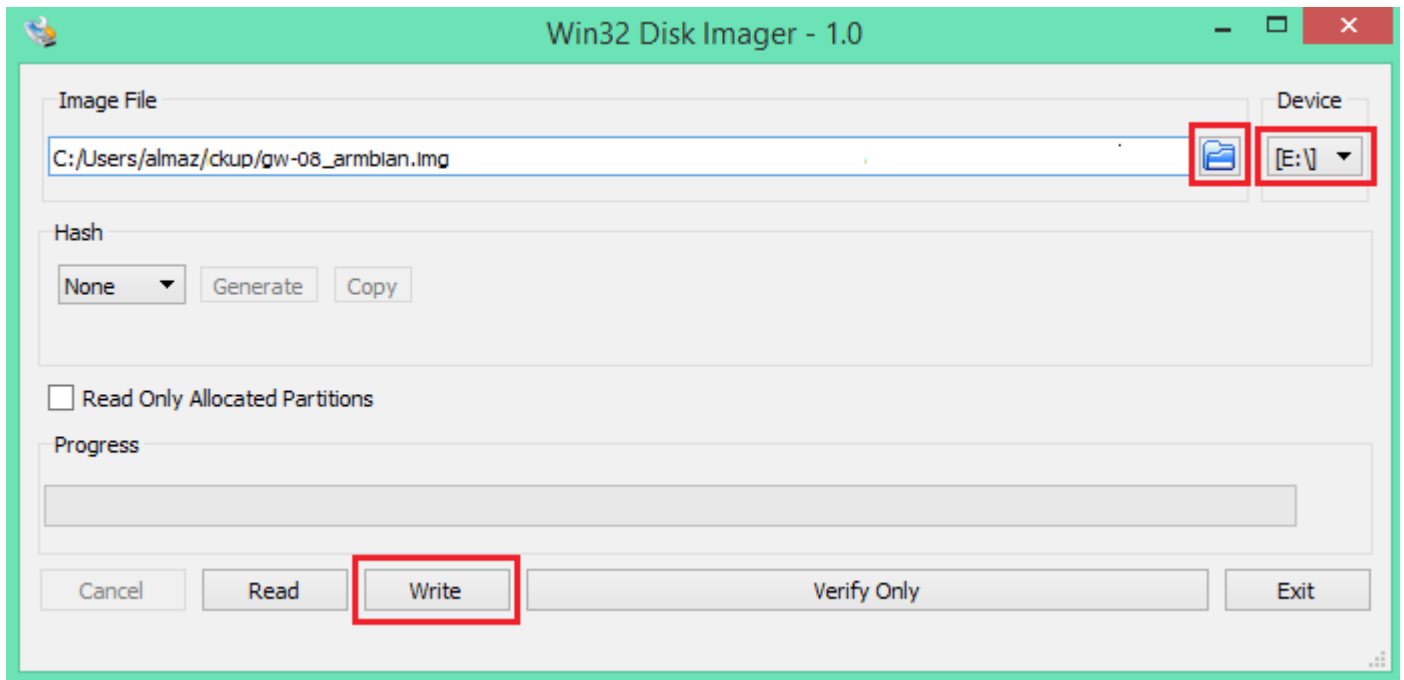
You can download armbian image for lorawan gateway GW-08 here:

https://www.dropbox.com/s/cyroh7ao266bn95/gw-08_armbian.img?dl=0

You need 2Gb or higher volume microSD card to boot Armbian from it.

Writing image on microSD.

Use [Win32 Disk Imager](#) utility to write image on microSD card:



Here you need to choose device index, image file to write. Then press to Write button. Writing process takes few minutes:




After it finishes writing process plug in microSD card to GW-08 and power up the device.

Remote connection.

Connect to device via SSH. Look for IP address of GW-08 on DHCP server for it. There is orangepiero device should appears in the list of devices:

192.168.100.1/index.asp

**HG8245**

Logout

StatusWANLANWLANSecurityForward RulesNetwork ApplicationSystem Tools

WAN Information

VoIP Information

WLAN Information

Eth Port Information

DHCP Information

Optical Information

Battery Information

Device Information

User Device Information


Service Provisioning Status

Status > DHCP Information

On this page, you can query the basic DHCP information, including the host name, IP address, MAC address, remaining lease time, and device type.

Total IP Addresses Number:	253			
ETH IP Addresses Number:	8			
WiFi IP Addresses Number:	4			
Remaining IP Addresses Number:	241			
Host Name	IP Address	MAC Address	Remaining Lease Time	Device Type
iPhone-Ajrat	192.168.100.2	9c:fc:01:d1:b6:ed	249002(s)	Computer
almaz	192.168.100.4	2c:d0:5a:50:88:c5	215257(s)	Computer
android-6aef4179dc18c01a	192.168.100.3	74:04:2b:d6:b7:10	255145(s)	Computer
al	192.168.100.5	40:8d:5c:ee:ec:96	256987(s)	Computer
<u>orangepiero</u>	<u>192.168.100.8</u>	02:42:e9:be:89:83	259187(s)	Computer

Then login via SSH using login/pass: al/orawan1:

**PuTTY Configuration**

Category:

- Session
 - Logging
- Terminal
 - Keyboard
 - Bell
 - Features
- Window
 - Appearance
 - Behaviour
 - Translation
 - Selection
 - Colours
- Connection
 - Data
 - Proxy
 - Telnet
 - Rlogin
 - SSH**
 - Serial

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address)al@192.168.100.8Port22

Connection type:

☐ Raw☐ Telnet☐ Rlogin☒ SSH☐ Serial

Load, save or delete a stored session

Saved Sessions

orangepi

COM7COM8COM9Realyticsclouddragino**orangepi**

LoadSaveDelete

Close window on exit:

☐ Always☐ Never☒ Only on clean exit

AboutOpenCancel

After entering to console of GW-08 you ready to start GW-08 to receive incoming LoRa packets.

Running the gateway.

Run this at every power up of gateway:

```
cd ~  
sudo ./iC880-SPI_reset.sh  
sudo chmod 777 /dev/spidev1.1  
cd packet_forwarder/lora_pkt_fwd  
./lora_pkt_fwd
```