

# Electroneum CPU mining

## Electroneum

### About

Electroneum is a crypto that is focussing on the mobile platform. Easy to use and accessible for everyone

[Official website](#)

### Main characteristic

- Secure and private
- Designed for mass adoption
- App based mobile mining
- Signed agreements with global mobile networks
- Provide a digital payment solution to the developing world.

### Wallet

As Electroneum is focusing on becoming the best mobile crypto they have an online wallet with mobile apps.

Wallet page

## Mining Pool

I'm using spacepools to mine electroneum

The official pool has a 0.1 % fee and has a payout of 10 ETN which is pretty low for both.

When selecting a mining pool for CPU mining I suggest to take a pool with a low payout, CPU's mine at a relatively low hashrate depending on which CPU you have.

You won't be generating a loads of coins over a short amount of time so you want to be able to get your mined coins on a higher frequency, keep in mind if you stop mining before the minimum payout has reached they won't give you your mined coins.

Also try to pick a pool closeby (continent), this will also help with mining.

You can always visit the website of your pool and insert your address to look at the progress you are making showing your statistics.

[Spacepools](#)

## Tools

## XMR-stak-cpu

XMR-stak-cpu is a very easy to use and very configurable tool.

You can find the tool on their official github.

During the instructions I'll also include links to pre-configured setups.

- Official XMR github

## Instructions

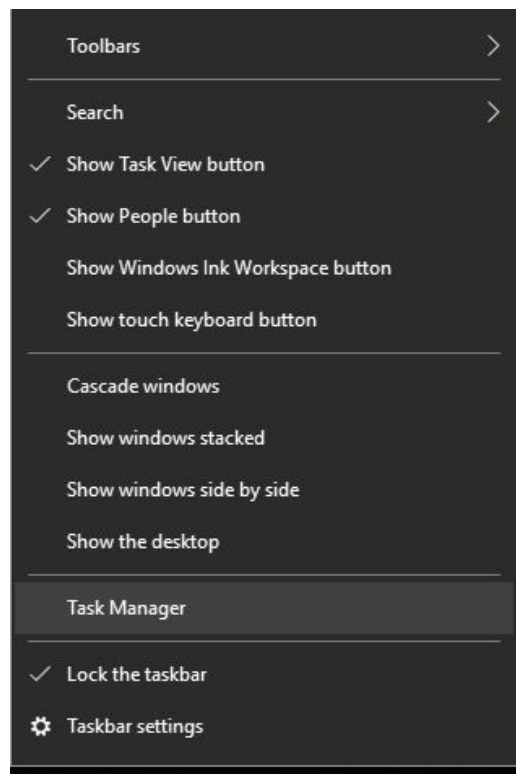
### Risks

Before mining please make sure you are aware of the risks involved.

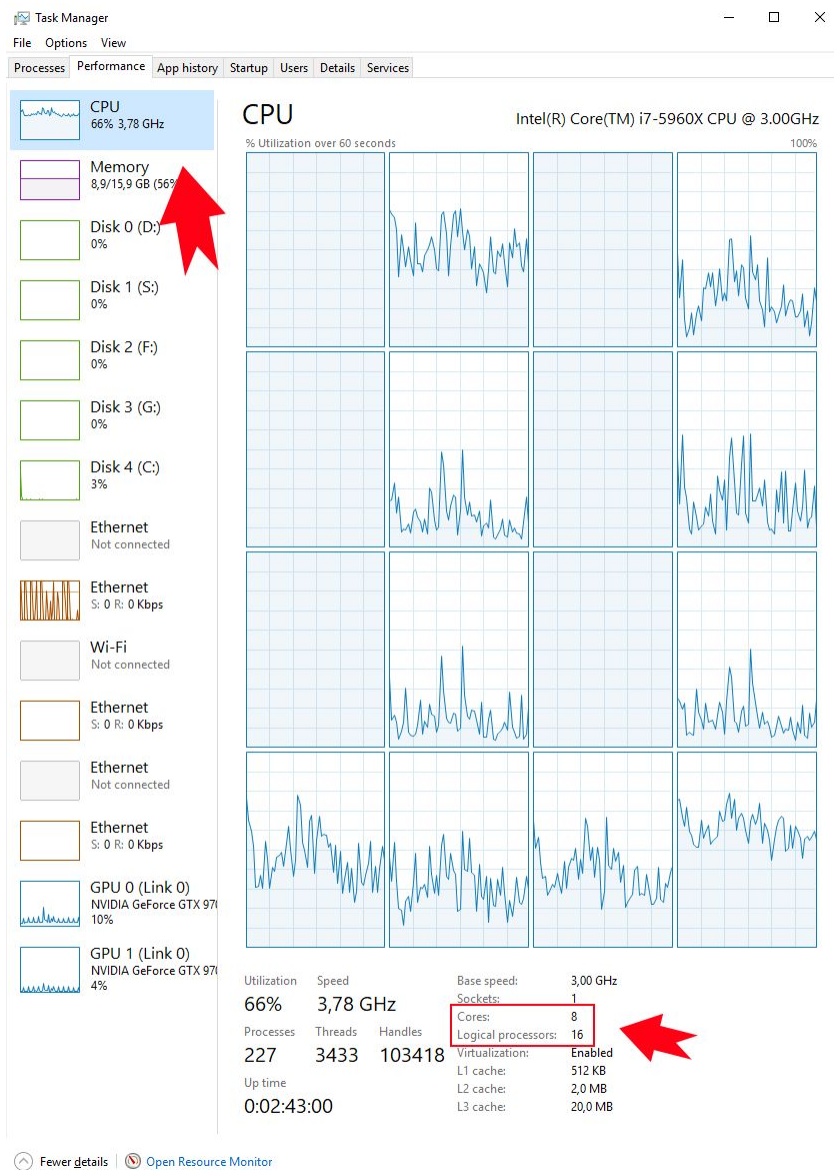
Risks

### Written instructions

- Determine what kind of CPU you have and the amount of cores.
  - Open the task manager
    - by pressing Ctrl+shift+Escape
    - By right clicking the Taskbar on the bottom and selecting "Task Manager"



- Then go to the performance tab and look at the cores and threads on the bottom. You need to know the amount of cores.



I always suggest to run on half of your cores, so if it is saying 4 cores mine on 2 coins as this will not stress your CPU that much.

Personally I've also found out, if 1 miner is using more than 50 or 75% of your Cores, it will mine less for more power.

due to cpu's with hyperthreading. These miners are set up to only use the uneven cores. So in most cases you won't be able to use a configuration higher than half the amount of cores you have.

(only when having hyperthreading. you can see this if your threads are double of your cores).

Amount of cores on CPU	Suggested mining cores	Link to miner
2 cores	1 core	<a href="#">1 Core miner</a>
4 cores	2 cores	<a href="#">2 Core miner</a>
6 cores	3 cores	<a href="#">3 Core miner</a>
8 cores	4 cores	<a href="#">4 Core miner</a>
12 cores	6 cores	<a href="#">6 Core miner</a>

- After downloading the file extract it somewhere and open the folder
- Next step is to open the configuration file (config.txt)

Name	Date modified	Type	Size
config.txt	1/02/2018 0:04	Text Document	6 KB
config-backup.txt	31/01/2018 22:02	Text Document	6 KB
cudart64_80.dll	30/12/2017 0:56	Application extens...	360 KB
libeay32.dll	30/12/2017 0:56	Application extens...	2 213 KB
ssleay32.dll	30/12/2017 0:56	Application extens...	376 KB
xmr-stak-nvidia.exe	30/12/2017 0:56	Application	6 018 KB

- Once you've chosen the mining pool you can add this to the config.txt file  
Just scroll down until you see "pool\_address"  
The pool information can usually be found under the getting started Tab

```

* pool_address - Pool address should be in the form "pool.supportxmr.com:3333". Only stratum pools are supported.
* wallet_address - Your wallet, or pool login.
* pool_password - Can be empty in most cases or "x".
*
* We feature pools up to 1MH/s. For a more complete list see MSM400's pool list at www.moneropools.com
*/
"pool_address" : "pool.etn.spacepools.org:3333",
"wallet_address" : "etnkNdInDwGkdGK5bmZpBS7giw8wWfY4uTDLRST5sG92JhQtm4D4EPHv6XheYnrX4UWEAZcKmv5C4QQCnm1N1t51cLMUuJz6",
"pool_password" : "x",

/*
* Network timeouts.
* Because of the way this client is written it doesn't need to constantly talk (keep-alive) to the server to make
* sure it is there. We detect a buggy / overloaded server by the call timeout. The default values will be ok for
* nearly all cases. If they aren't the pool has most likely overload issues. Low call timeout values are preferable -

```

etn.spacepools.org Home Getting Started Graphs Workers Blocks Payments Tools/API Support Pools NEW!

### Connection Details

Mining Pool Address: pool.etn.spacepools.org

Static Difficulty and Rig ID support! Examples:

- PUBLIC\_ETN\_ADDRESS
- PUBLIC\_ETN\_ADDRESS@RIG\_ID
- PUBLIC\_ETN\_ADDRESS.STATIC\_DIFFICULTY
- PUBLIC\_ETN\_ADDRESS.STATIC\_DIFFICULTY@RIG\_ID

Complete login address would look like (example):

```
etnWsd7KNfN3Q2tY16yhPurgIE4szfKsb8moaMVZuZoT9KVKh1Bz4UGScY3xD1xjHlnX2nqN3hbX1CNW452DV2VEXjTjy0eR5a.100000@vega56Rig001
```

### Mining Ports

Ports: 1111/3333/5555/7777/1337 (9999 for NiceHash etc.) - Starting difficulty is 100.000 on every port except for port 9999 (1.000.000)

Vardiff config:

- Minimum Difficulty: 5000
- Maximum Difficulty: 1000000
- Target Time: 30 seconds
- Retarget Time: 30 seconds
- Maximum Jump: 50%

Please consider using XMRig Proxy if you are running a lot of workers. You can find it here.

- Next up is to add your Wallet address which is located right underneath

```

* pool_address - Pool address should be in the form "pool.supportxmr.com:3333". Only stratum pools are supported.
* wallet_address - Your wallet, or pool login.
* pool_password - Can be empty in most cases or "x".
*
* We feature pools up to 1MH/s. For a more complete list see MSM400's pool list at www.moneropools.com
*/
"pool_address" : "pool.etn.spacepools.org:3333",
"wallet_address" : "etnkNd1nDwGdkdGk5bm2pBS3giw8WwWfY4uTDLRST5sG92JhQtm4D4EPhv6XheYnrX4UWEAZcKmv5C4QQCnm1N1t51cLMUuJz6",
"pool_password" : "x",

/*
* Network timeouts.
* Because of the way this client is written it doesn't need to constantly talk (keep-alive) to the server to make
* sure it is there. We detect a buggy / overloaded server by the call timeout. The default values will be ok for
* nearly all cases. If they aren't the pool has most likely overload issues. Low call timeout values are preferable -

```

**Your Public Wallet Address**



**Your Address:**





etnkNd1nDwGdkdGk5bm2pBS3giw8WwWfY4uTDLRST5sG92JhQtm4D4EPhv6XheYnrX4UWEAZcKmv5C4QQCnm1N1t51cLMUuJz6

[Click to copy](#)


Give this wallet address to the person sending you Electroneum. They can send you Electroneum via the app or from Windows, Mac or Linux Wallets.

It's perfectly safe to give the address. You can even publish it on your website or social media.

Now just fire up the program.

Name	Date modified	Type	Size
 config.txt	1/02/2018 0:06	Text Document	10 KB
 libeay32.dll	30/12/2017 0:26	Application extens...	2 213 KB
 ssleay32.dll	30/12/2017 0:26	Application extens...	376 KB
 xmr-stak-cpu.exe	13/01/2018 21:25	Application	407 KB

- A console window will pop up and start mining.  
In my configuration it will post the hashrate every few minutes.  
You can also press the h button for this.

 C:\Miners\Electroneum\CPU3C\xmr-stak-cpu.exe

```
[2018-02-24 19:49:19] : MEMORY ALLOC FAILED: VirtualAlloc failed.
-----
xmr-stak-cpu 1.3.0-1.5.0 mining software, CPU Version.
Based on CPU mining code by wolf9466 (heavily optimized by fireice_uk).
Brought to you by fireice_uk and psychocrypt under GPLv3.

Configurable dev donation level is set to 2.0 %

You can use following keys to display reports:
'h' - hashrate
'r' - results
'c' - connection
-----
[2018-02-24 19:49:19] : Starting double thread, affinity: 6.
[2018-02-24 19:49:19] : Starting double thread, affinity: 8.
[2018-02-24 19:49:19] : Starting double thread, affinity: 10.
[2018-02-24 19:49:19] : Connecting to pool pool.etn.spacepools.org:3333 ...
[2018-02-24 19:49:19] : hwloc: memory pinned
[2018-02-24 19:49:19] : MEMORY ALLOC FAILED: VirtualAlloc failed.
[2018-02-24 19:49:19] : hwloc: memory pinned
[2018-02-24 19:49:19] : MEMORY ALLOC FAILED: VirtualAlloc failed.
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[2018-02-24 19:49:19] : MEMORY ALLOC FAILED: VirtualAlloc failed.
[2018-02-24 19:49:19] : Connected. Logging in...
[2018-02-24 19:49:19] : Difficulty changed. Now: 100001.
[2018-02-24 19:49:19] : New block detected.
[2018-02-24 19:49:45] : New block detected.
```

Now you just have to let the device do its calculations and you will start gaining Electroneum

You can also let this start with Windows.