# What is Vertcoin?

Vertcoin is not funded nor controlled by any entity, it is simply an open source GPU Bitcoin variant that mirrors BTC development.

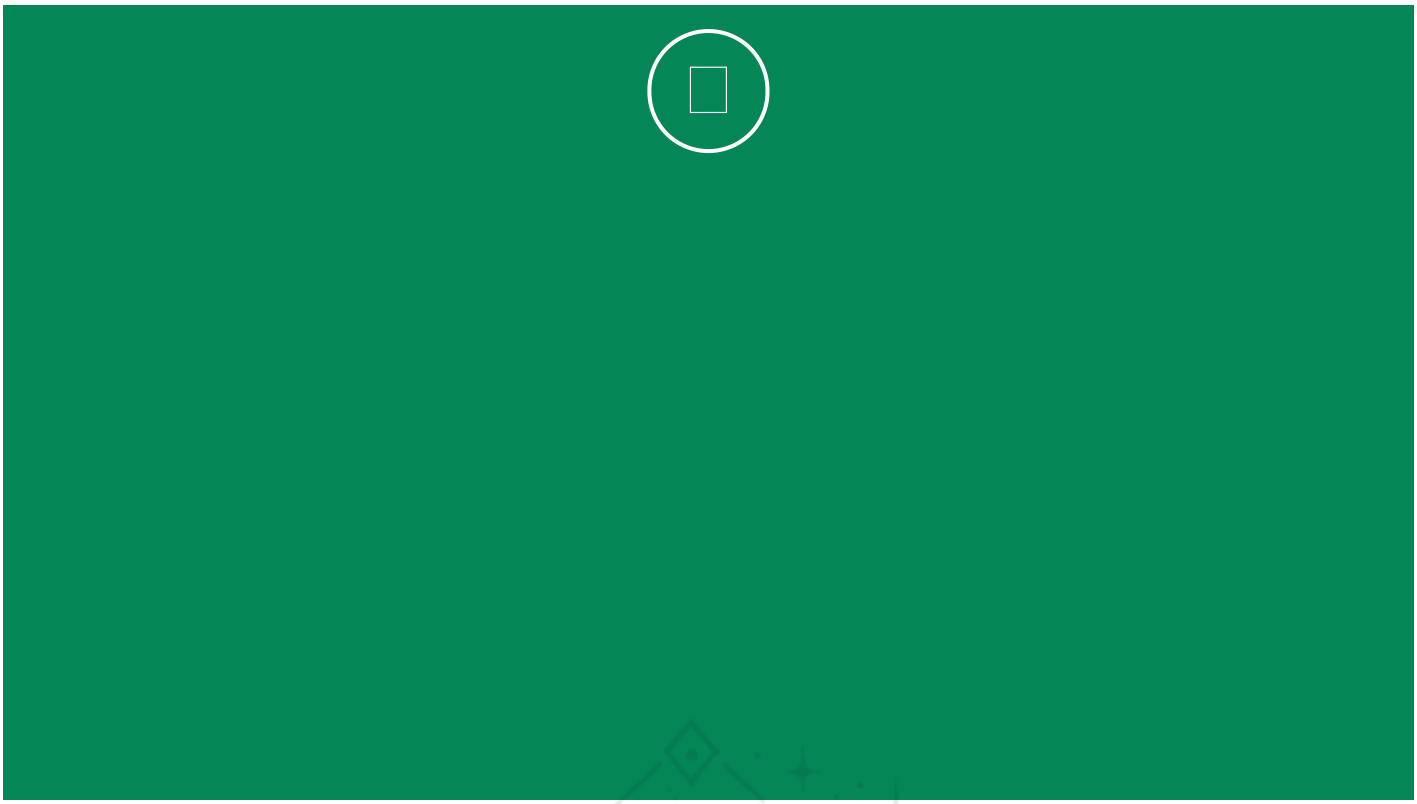
Vertcoin uses an ASIC-resistant proof-of-work mechanism to issue new coins which allows consumer grade hardware such as GPUs more incentive to secure the network and validate transactions.

It can be mined profitably by anyone, and its distribution is fair, without a premine, ICO, or airdrop. Vertcoin is developed by volunteers from the community and funded solely by donations.

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# Vertcoin

January 8th In 2014 Vertcoin was launched as an open-source cryptocurrency. It uses a decentralized approach to mining using modern graphics cards. Rewards are given out to miners to secure the network and ensure the accuracy of transactions. The Vertcoin blockchain is maintained by a coalition of miners using their graphics cards. This ensures Vertcoin is an ASIC resistant coin that does not focus on one particular mining company or device.

Vertcoin is an open-source GPU Bitcoin alternative that doesn't receive funding or direction from any entity. You can mine Vertcoin with your home computer exactly the way Bitcoin was intended to be mined.

Vertcoin can be mined profitably by anyone, and its distribution is fair, without a premine, ICO, or airdrop. Vertcoin is developed by volunteers from the community and funded solely by donations.

Like gold, Vertcoin is a finite resource that protects your money from vested interests and ensures that transaction fees are proportional and shared among many miners. With Vertcoin, you can be your own bank.

The Vertcoin algorithm is designed to prevent the creation of custom mining hardware and multipool mining, ensuring that transactions are validated by a widely distributed network and preventing large mining pools from flooding the market with newly mined coins and causing selling pressure.

Our developers are committed to taking whatever steps are necessary to protect Vertcoin from specialized mining equipment and ensure that it can always be mined using consumer-grade

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hardware. This is good news for miners, as it allows them to compete fairly with each other and avoid the risk of being scammed by hardware manufacturers who may fail to deliver pre-ordered equipment.

## What is Verthash?

> *Shortly, Verthash is an upcoming new mining algorithm that will put GPUs back on top for mining Vertcoin once again.*

Verthash is the name of the mining algorithm for Vertcoin. Vertcoin successfully forked to Verthash 30 january 2021 and replaced Lyra2REv3, which is mostly being mined by either ASICs or FPGAs with GPUs being majored out-competed.
Verthash takes after Ethash (Daggerhasimoto) in that it makes hashrate scale in line with how fast the gpu memory is. Since GPUs, ASICs, and FPGAs already use the fastest memory available on the market, and all use the same memory, it means all device classes will have about the same potential hashrate… with no advantage for ASICs or FPGAs.

## Low Circulating Supply

Max Circulating Supply: 84,000,000
Current Circulation Supply: < 66,000,000 (78%)

## Latest News

See latest news about Vertcoin and its development here.
*Source: Reddit.com*

See Latest News

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## Vertcoin Whitepaper

Vertcoin is simply an open source GPU Bitcoin variant that mirrors BTC development. See Bitcoins whitepaper here.
*Source: bitcoin.org*

# Specifications

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| | |
|---|---|
| **INTRODUCED** | 2014-01-08 |
| **SYMBOL** | VTC |
| **HASH FUNCTION** | Verthash |
| **BLOCK TIME** | 2.5 minute |
| **BLOCK REWARD** | 12,5 |
| **COIN CAP** | 84 million |
| **DIFF. RETARGET** | Kimoto Gravity Well |
| **HALVENING** | 840k blocks (~4 years) |
| **MINTXFEE** | 0.001/kB |
| **PREMINE** | 3 blocks (150 VTC) |
| **ANNOUNCEMENT** | https://bitcointalk.org/index.php?topic=404364.0 |
| **REPOSITORY** | https://github.com/vertcoin-project/vertcoin-core/releases/ |

Vertcoin is built using Bitcoin as a base, receiving any future Bitcoin updates upon specification release confirmation.

Vertcoin was one of the first coins to lock in and activate SegWit. It was activated May 7, 2017

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Vertcoin has the same block time (2.5 mins) as Litecoin and same supply of coins (84,000,000 coins).

These changes are well within scaling limits of blockchain growth and orphan generation (>1:30)

Verthash is Vertcoin's mining algorithm which is similar to Ethereum's Ethash (Verthash), meaning GPUs mine competitively.

This ensures maximum distribution of hashrate (security). It is done via IO bound memory constraints. Verthash is the most advanced mining algorithm to date.

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Difficulty adjustment occurs every block (~2.5 minutes) as opposed to Bitcoin (~2 weeks).

Kimoto Gravity Well is the algorithm used and is necessary as a smaller hashrate coin.

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# The History of Vertcoin

Vertcoin was founded all the way back in 2014, and have accomplished quite a few things in those years. Below you can see how Vertcoin has expanded over the years.

Read more

## Vertcoin Core v22.1 has been released

*January 1, 2023*

New year, new Vertcoin Core.

Download the wallet here.

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## The Second Vertcoin Halving

*December 8, 2021*

The reward per block decreased from 25 VTC to 12.5 VTC coins per block plus transaction fees. Vertcoin has the same halving time as Bitcoin (approximately every 4 years). Source:
1. Vertcoin's Second Halving has occurred at block #1680000. The block reward is now 12.5 VTC!

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## Vertcoin Crowdfunding

*October 18, 2021*

Introducing the Vertcoin Community Crowdfunding System – a way for members to get involved and proposals to be funded. Source: 1. Reddit – Vertcoin Crowdfunding 2. Vertcoin Crowdfunding official website

## Taproot Is Activated

*September 1, 2021*

Vertcoin rebases to upstream Bitcoin Core 0.21.1 and sets taproot activation parameters. As of block #1623304, Taproot has been activated on the Vertcoin blockchain before Bitcoin! Source: 1. Vertcoin Wallet 0.18.0-rc1 2. Vertcoin Reddit

## One Click Miner VNext 2.0 Final

*March 1, 2021*

This final release of the One-Click Miner contains a few language fixes and adds a default fallback to English for untranslated strings. Source – One Click Miner vNext 2.0 Final

## Vertcoin Hard Fork Against ASIC Threat At Block 1500000.

*January 30, 2021*

Vertcoin successfully forked from Lyra2REv3 to Verthash. Vertcoin is decentralized with first truly ASIC-resistant algorithm in the World – Verthash. Playing games while mining Vertcoin on Any 2GB or higher GPU (Graphics Processing Unit). A graphics card (also called a video

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card, display card, graphics adapter, or display adapter). Source – Vertcoin Wallet 0.17.0 – Hard fork to Verthash PoW algorithm from block 1,500,000

## One-Click Submarine Swap… BTC <> VTC

*January 28, 2021*

Vertcoin is the first cryptocurrency in the world to perform a One-Click Submarine Swap. Full symbiosis with Bitcoin. If there is a global adoption of the Lightning Network – it will be thanks to Vertcoin. Source: 1. Vertcoin Tweets 2. One-Click Miner 2.1s (with One-Click Submarine Swap)

## Vertcoin suffered from 51% attacks

*December 1, 2019*

On 1 December 2019 603 blocks were removed from the VTC main chain and replaced by 553 attacker blocks. We note that 600 blocks is the current confirmation requirement for VTC on Bittrex. There were 5 double-spent outputs in which ~ 125 VTC (~$29) was redirected. Source – Vertcoin (VTC) was 51% attacked

In response, Vertcoin changed its POW algorithm to Lyra2REv3 and later once more, this time switching to Verthash Algorithm in order to bring VertCoin back in the hands of GPU miners.

## One-Click Miner VNext

*June 26, 2019*

First One-Click Miner vNext 0.1-alpha1 has been released for download. The One-Click Miner allows cryptocurrency enthusiasts to get into mining with minimal effort. When you download the One-Click Miner, you will be asked to provide a password for your (built in) wallet. It will then immediately commence mining. Source – One Click Miner vNext 0.1-alpha1

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## Vertcoin Hard Fork Against ASIC Threat At Block 1080000

*February 2, 2019*

Vertcoin forked from Lyra2REv2 to Lyra2REv3. Source – Vertcoin Wallet 0.14.0 – Lyra2REv3 main network hard fork

## Unfortunately Vertcoin experienced a 50% attack

*October 12, 2018*

From October through December 2018, Vertcoin suffered from 51% attacks. Vertcoin is a Bitcoin clone that aims to be ASIC-resistant by hard forking to new mining algorithms whenever ASICs are deployed on the network. Vertcoin changed its proof-of-work (POW) algorithm to Lyra2REv3. Source – Vertcoin (VTC) was 51% attacked

## Vertcoin Logo

*March 28, 2018*



The last Vertcoin logo: . Source: 1. wikimedia.org 2. Vertcoin Logo Package – SVG, PNG, PDF

## The First Vertcoin Halving

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*December 11, 2017*

The reward per block decreased from 50 VTC to 25 VTC coins per block plus transaction fees. Vertcoin has the same halving time as Bitcoin (approximately every 4 years). Source: 1. Controlled supply – Bitcoin Wiki

## 1 VTC = $12.05

*December 6, 2017*

1 Vertcoin (VTC) reaches 0.00088000 BTC or 12.05 $ (1 BTC is $14425 on this date) and Vertcoin reaches $395 930 000 Market Capitalization. Source – VTC USD Charts and Quotes — TradingView

## We Are Moving To Discord – Join Us

*October 12, 2017*

“Please join the team for general chat, mining help, and other exciting topics of conversation (tacos anyone?). Someone is usually around to help. We hope to see you there!”. Source – Vertcoin Reddit

## One Click Miner

*October 2, 2017*

First Beta Version 1.1.2 has been released for download. Program with interface to easily download and control miner software for CPU’s and AMD/Nvidia GPU’s. Also has integrated P2Pool functionality. Sorce – One-Click Miner Beta Version 1.1.2

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## “Layer 2” – The Lightning Network (LN)

*May 7, 2017*

SegWit successfully activated on Vertcoin network as of block 713,664! The Lightning Network (LN) is a “layer 2” payment protocol designed to be layered on top of a blockchain-based cryptocurrency such as Bitcoin or Vertcoin. First Lightning transaction on VTC main network! Source: 1.Vertcoin on Twitter – SegWit successfully activated 2.Vertcoin on Twitter – First Lightning transaction on VTC

## Third Vertcoin Topic On Bitcointalk.Org

*March 15, 2017*

Vertcoin [VTC][ANN] Segwit Activated | ASIC Resistant Decentralized GPU Mining. Source – Bitcointalk.org

## Removes The Stealth Addresses Function

*February 21, 2017*

This is intended to be the final “old client” release before SegWit. This wallet update deprecates and removes the Stealth Addresses function since it will not be available in the next wallet version. Additionally, this release implements lowS signatures which is required for BIP66.  Source – Vertcoin Wallet v0.10.1.0 – lowS signatures and deprecate stealth

## Vertcoin Hard Fork Against ASIC Threat At Block 347000

*August 10, 2015*

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Vertcoin forked from Lyra2RE to Lyra2REv2. Source – Vertcoin Wallet v0.10.0.0 – Lyra2REv2

## Second Vertcoin Topic On Bitcointalk.Org

*December 15, 2014*

„Vertcoin – 1 | ASIC – 0 | Lyra2RE | Decentralised | GPU Mineable | Open Source“. Source – Bitcointalk.org

## Vertcoin Hard Fork Against ASIC Threat At Block 208301

*December 13, 2014*

Vertcoin forked from Scrypt-Adaptive-N proof-of-work function to Lyra2RE. Source – VertcoinWallet v0.9.0.0 – Lyra2RE

## Stealth Addresses

*July 2, 2014*

For the first time in the world Vertcoin added Stealth Addresses for Personal Privacy. Source: 1. Vertcoin Wallet v0.8.7.3 Stealth Address 2. Vertcoin | Stealth Address | Release

## Vertcoin Developers on Bitcointalk.org

*May 30, 2014*

[ANN] Vertcoin Stealth Addresses ,,We're working on stealth addresses in Vertcoin"

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## Second Vertcoin Logo 2014

*February 18, 2014*



Vertcoin Logo 2014. Source: 1. Vertcoin Wallet v0.8.6.2.1 2. Dropbox – Vertcoin logo 02.2014

## 1 VTC = $11.60

*February 5, 2014*

1 Vertcoin (VTC) reaches 0.01398 BTC or 11.60 $ (1 BTC is 830$ on this date) on Poloniex.com and Vertcoin reaches 8352000$ Market Capitalization

## Kimotos Gravity Well Algorithm

*February 5, 2014*

Vertcoin added Kimotos Gravity Well algorithm and Difficulty Re-Target Time is Every block. Difficulty adjustment occurs every block (~ 2.5 minutes) as opposed to Bitcoin (~ 2 weeks). Source – Vertcoin specifications

## First Vertcoin Logo 2014

*January 20, 2014*

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First Vertcoin Logo 01.2014. Source – 1. https://imgur.com/P7wGpZ9 2. [ANN][VTC] Vertcoin new logo – vote now!

## Vertcoin Mining It Was Launched

*January 11, 2014*

For the first time in the world Vertcoin added Algorithm – Adaptive N-factor. Vertcoin uses an ASIC resistant proof-of-work mechanism to issue new coins and incentivize miners to secure the network and validate transactions. Vertcoin's blockchain is maintained by a decentralized coalition of individuals collectively mining using modern graphics cards. Source – Vertcoin Explorer



## No Premine | No ICO | No Airdrop

*January 10, 2014*

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There is no premine except three, normal blocks done to test the network (150 coins).
Source: 1.
https://bitcointalk.org 2. VTC block height #1

## First Vertcoin topic on Bitcointalk.org

*January 8, 2014*

,,[ANN][VTC] Vertcoin - Adaptive N-factor in Scrypt - No more ASICs".
Techinical Details:

- Mining Algorithm: Scrypt-N (until Vertcoin Hard Fork Against ASIC Threat At Block 208301, nowadays used Verthash)

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- Symbol: VTC
- Max Coins: 84 million Vertcoins (4x the Amount of Bitcoin)
- Block Time: 2.5 minutes (4x faster than Bitcoin blockchain and 4x throughput capacity than Bitcoin blockchain)
- Block Rewards: 50 coins per block. Subsidy halves every 840,000 blocks (~4 years just like Bitcoin)
- Difficulty Re-Target Time: Every block with Kimotos Gravity Well algorithm

Sources - Bitcointalk.org

### Vertcoin.org

*January 4, 2014*

Vertcoin has been created. Sources - Search the WHOIS Database

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# FAQ

- [ ] Where can I buy Vertcoin?
- [ ] Where can I get the One Click Miner (OCM)?
- [ ] Where can I get the Vertcoin Wallet?
- [ ] I want to participate in this project. How can I contact you?

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I want to donate to this project

# Community

Our community spans all around the globe! 44,000+ on Reddit, 10,000+ on Discord, 55,000+ on Twitter. Come chat with us.

r/Vertcoin

Discord

Twitter

Telegram

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See more communites

## Mining

Download One-Click Miner HOT

One-Click Miner Setup

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Miners and Pools list

P2Pool Scanner

Mining Statistics (LIVE) NEW

## Resources

Download Wallet HOT

Buy Vertcoin / Exchanges HOT

Blockbook

Branding Materials

## About Vertcoin

What is Vertcoin?

History of Vertcoin HOT

Community

Community Crowdfunding (CCS)

Blog POPULAR

vertcoin.org - the official website

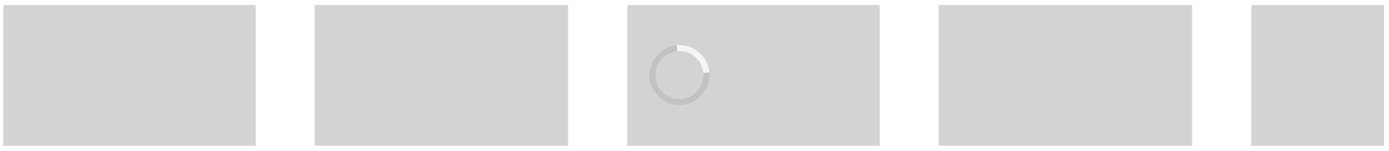
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Buy Vertcoin

Download Wallet

Buy & Trade Vertcoin ($VTC) on these exchanges:

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All downloads from vertcoin.io are sourced directly from Vertcoin's official Github.

The Crypto Market is Volatile! Please Invest with Caution!

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