

WHAT DOES IT COST? Chia Mining is far greener than most cryptocurrencies

and has considerably fewer start-up costs.

Chia has made it cost-effective for the average person to start mining cryptocurrency. As many people consider this, you need to understand what is involved in Chia farming and how it compares to other Crypto's such as Ethereum.



Why is it so popular? Chia Coin and subsequently Chia farming is predicated on the notion that

Chia is a decentralized form of digital asset/cryptocurrency.



traditional crypto.

Green Crypto

What is Chia "farming"?

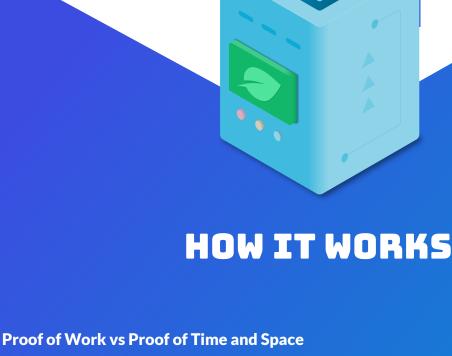
cryptocurrency should be made available for everyone to participate and profit from while using considerably fewer resources and energy than



amounts of energy.

Financing required to launch Chia Less than \$500 with Raspberry Pi, carries with it considerably fewer hardware costs.

It is far less resource-intensive than most cryptocurrencies, with so many miners around the world, computer processors consume exorbitant



Traditional Cryptocurrency uses the "Proof of Work" concept, where the Blockchain puts out requests for transactions to its members (called Miners) who expend effort solving arbitrary mathematical calculations in which one party (the prover) proves to others (the verifiers) that a certain amount of a specific computational effort has been expended. This is what gives crypto its

security and with so many people tracking crypto transactions in real-time, it is no wonder why processing crypto is so resource-intensive

Proof of Space and Time

referred to as the space and time model.

Proof of time

Proof of space Like most cryptos, Chia farming records and facilitates these transactions



HARDWARE

Dual Intel Xeon Silver 4210

At least 4 GB of available RAM

High Bandwidth

3U Chassis

Maintenance

RAM

PCIE Risers

Total Purchase Price

Hardware costs

PARALLEL

PLOTTING

While Chia has low barriers to entry, to make serious money one must be farming multiple plots at once. This is referred to as Parallel plotting and anyone serious about

getting into Chia, will want to strive to do this. Parallel plotting requires a high amount of

cores and threads for your processor.

RAM, from 32 GB to 128 GB, depending on the size of your server and we would further recommend multiple

Energy costs

(10 TB HDD and up will be based on Fair Market Value)

SUGGESTED

128 GB RAM

Bandwidth

16 Drive Bays

Replacement Drives

Month 8 and Month 12 (due to burn out)

1 Gbps @ 50 TB

20 cores @ 2.2 GHz

PRICE

\$3,589

\$880

\$630

\$5,000

\$125

\$60

\$5,339

\$5,339

Digiconomist estimates that

\$1,600/yr

by creating "plots" on hard drives, instead of through computational power. Each Chia plot is filled with data calculations that are stored, not

unlike a spreadsheet, in blocks on temporary storage before being transferred to the second drive. This is a way to prove that you are keeping some storage unused on your hard-disk drive (proof of space).

Proof of time requires a small period to pass between blocks. Proof of time is implemented by a Verifiable Delay Function that takes a certain amount of time to compute but is very fast to verify. Together this is

A temporary hard drive with a min. of 370 GB with 2 TB NVMe M.2 \$414 high read/write speeds A permanent hard drive with a min. 100 GB 10 x 10 TB HDD \$2,500

CHIA MINING MINIMUM REQUIREMENTS

	\$2,500 x 2	
Total Purchase Price		\$14,613
This build uses the most por	NG MINIMUM REQuilar performance GPUs that will yield to	
HARDWARE	SUGGESTED	PRICE
HARDWARL	JOGGESTED	PRICE
СРИ	Intel Pentium Gold G-6400	\$149
GPUs (Target: 90-100 MH/s per GPU)	2 x NVidia 3080 RTX	\$4,000
Motherboard	ASUS Prime Z490-P LGA 1200 (6 C	GPU) \$475
Case	Custom Rig frame (up to 8 GPUs)	\$180
Power Supply	1200w Super Micro	\$250
	WD Blue 3D NAND 1 TB	\$100

Axiom 8 GB DDR4 2666MHz Server

Ubit 6 Pack Latest PCI-E Riser Express

Cable 16X to 1X (6pin / MOLEX / SATA) with Led Graphics Extension Ethereum ETH Mining Powered Riser Adapter Card+60cm USB 3.0 Cable

Memory (A9781927-AX)

CHIA VS ETHEREUM COST ANALYSIS **CHIA ETHEREUM**

0.298 TWh is the annual power

\$14,120

Nakamata concencus algorithm
Encryption method: Nakamoto consensus algorithm ECDSA (Elliptic Curve D Signature Algorithm)

ADVANTAGES US DISADVANTAGES

• Unless you are a big crypto miner, you can start relatively small and expand as you need,

• Take satisfaction knowing that Chia is less resource intensive as compared to other cryptos.

• Plans to embrace regulators, particularly by leading with a company that has public reporting

RENTAL PRICE

DISADVANTAGES

• Competition with large-scale minors can

• Likely to replace multiple hard drives as

storage, you may be waiting a long time

• It is fairly new and like many Cryptos, it's

for a request to arrive from the Chia

• Unless you have hundreds of TBs of

make it financially competitive

cost of doing business

Blockchain

still volatile

period, driving up valuation

especially if you are patient.

requirements

• Low financial barriers of entry

• Considered one of the more 'green'

• Has become very popular in a short

• Earn blockchain rewards in the form of

WHY USERS CHOOSE TO MINE CHIA (BENEFITS)

• It is new on to the scene, early adopters could see early rewards • Chia favors predictable, continuous inflation over a hard cap

• Less energy-intensive

ADVANTAGES

Crypto

Chia Coin

DESCRIPTION

High Bandwidth

3U Chassis

Maintenance

Market

Trading

Volume

Cap

Total Annual Rental

CHIA

\$344,954,162

\$75,563,213

EHTEREUM

\$407,596,310,923

Dual Intel Xeon Silver 4210 A temporary hard drive with a min. of 370 GB with high read/write speeds

(and will be based on Fair Market Value)

At least 4 GB of available RAM

A permanent hard drive with a min. 100 GB and up

• The Chia blockchain has lots of native features that should make familiar crypto applications easier to trust and build

Recommended Server Configurations COMPONENT

20 cores @ 2.2 GHz

2TB NVMe M.2

10 x 10 TB HDD

1 Gbps @ 50 TB Bandwidth

(due to burn out) \$2,500 x 2

\$599 per month, plus \$250 set up

Replacement Drives Month 8 and Month 12

CARDANO

\$77,507,887,826

\$8,279,780,707

128 GB RAM

16 Drive Bays

MARKET CAP - EARNING POTENTIAL (USD)

DOGECOIN \$869,759,153,531 \$4,116,674,167

\$32,350,298,364 \$50,955,003,240 \$3,773,124,014

BITCOIN

READY TO BECOME A CRYPTO FARMER? Since 2002, ServerMania has provided hosting solutions to businesses of all shapes

Book a consultation with us today to learn more about how ServerMania can help.

and sizes. We have the experience and technology to power even the most demanding projects.

BOOK A CONSULTATION



SECVEC<mark>MANIA</mark>

facebook.com/servermaniainc/

youtube.com/user/servermaniainc

twitter.com/servermaniainc