

Your Guide To Safely Buying, Selling and Trading Crypto Currency

Free Introduction & Guide. From Basics, Key Facts, Knowledge On Trading Plus Much More

PICK A BIT



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING



HOW TO



DICTIONARY



ETHEREUM



HALVINGS



MINING



DYNAMICS

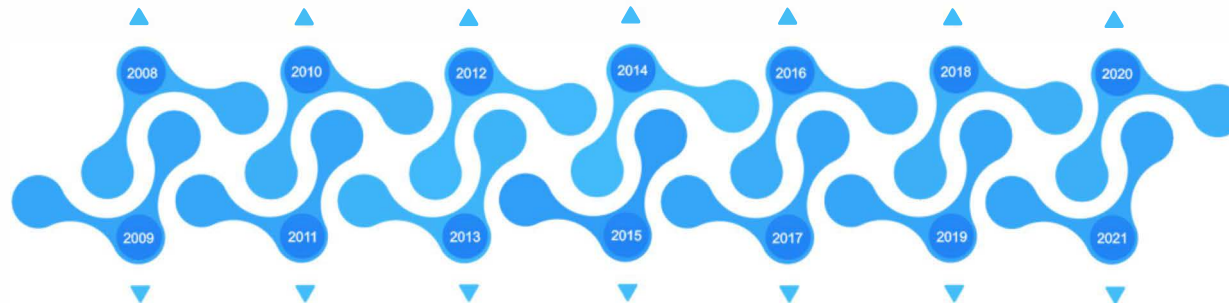


IN A NUTSHELL



TAX/VAT/LAWS

Crypto Timeline



Summary of some coins available



+ Links

< Back

Next >



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

What Are Crypto Currencies

The Internet was missing a digital payments system which was cost effective and efficient in keeping up with the increasing development of digital content. An algorithm was created using cryptography to provide a way to govern digital assets. When we visit a website, digital certificates verify each site with encryptions which is similar to how crypto currencies work. Crypto currencies are digital assets which provide many benefits. They can be used for transferring and verifying of assets, securing financial transaction plus control the creation of additional units. Digital currencies using cryptography were created and tested since the 1980s and were centralized. Bitcoin was the first decentralized currency. The term Alt Coins can be used to describe the alternative crypto currencies.

With Bitcoin all transactions are available to the public however owners cannot be identified since only the public keys otherwise known as your addresses are visible.

We have alternative currencies in development which provide more anonymous transactions to take place such as Monero, Zcash and Dash to name a few.

How Crypto Currencies Work

Crypto currencies provide a decentralized control compared to the centralized infrastructure. Using a decentralized platform simply means there is no central control or authority as the operational and other requirements are distributed over all of its participants giving no single person, group etc control as well as increasing over all security since no central location is present.

The data gathered whether it be from transactions, purchases are placed on a block chain which is a list of records called blocks linked using cryptography. Once on the block the data cannot be modified as more blocks are placed in front. A block chain provides security as well as accessibility without the need for a trusted 3rd party or server since it's all carried out automatically.

Each block typically contains a link to the previous block, Time stamp and transaction data. Miners play the role of validating transactions creating blocks, time stamping all of which are carried out automatically using mining equipment. Miners compete to solve equations and are rewarded with the currency mined as an incentive to keep mining and provide processing power for the network. Different mining equipment is available depending on the currency mined. Read our page on mining for more information.

Different algorithms have been developed. These define how a currency works and also provide different uses for the technology. Knowing these helps decide when investing.

Crypto currencies are stored on digital wallets. Each wallet has a unique private and public key. The public key is used to receive where the private key is used to access your wallet and should be kept secure. Visit our wallets page for more information.

ICOs

ICOs-Initial coin offerings is a way of funding for crypto currencies which is carried out via crowd funding with private funding now also becoming popular due to the demand. These are considered as early investors. Investors receive tokens in exchange. Some ICOs have minimum buy requirements and accept Bitcoin and Ethereum mostly. A popular way for companies to raise capital without going through regulatory framework such as banks, governments. At the same time it makes ICOs very risky and many are considered to be fraudulent. Generally investors who buy during an ICO stage receive a coin for much cheaper as a reward for being early investors and so when the coins become available on an exchange to be traded publicly early investors are likely to sell as soon as tokens are made public for immediate profits. Buying more once prices lower or not at all. Understanding the market is important.

Types Of Networks

Similar to how we have been keeping records, accounts throughout history, from paper used today, Papyrus to clay tablets a ledger takes this to the next level. A Ledger is simply a record of accounts also known today as a database. Cryptocurrencies run on 3 main types of networks, centralised, decentralised and distributed ledgers.



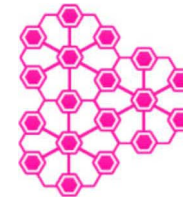
Centralized

Centralized systems are what we use today. A Network where the administrative duties are carried out by a 3rd party or central organisation. For example our medical, financial, academic information are all stored on centralised databases. Giving the organisation complete control. When we make a payment online a 3rd party such as a bank must verify transactions as well as manage data. Restricts who can make changes and access. Decentralised systems aim to eliminate this through algorithms, reducing costs increasing security and more.



Decentralized

A Decentralized Network is where trades, transactions occur directly between users (peer-to-peer) without the need for a 3rd party to manage. The network is run by many nodes (people) spread around where allowing anyone to join. Bitcoin is an example, a decentralised system meaning not one single entity has full control, no central point. Users are in control, transactions can occur at any time or day. Transactions verified using the PoW Algorithm to maintain integrity. Information is available publicly anywhere at anytime. more secure. Read more on the topic crypto above.



Distributed

Distributed systems are where transactions, contracts or information is stored in a decentralized way across different locations and people without requiring a central authority. Each Node, participant keeps a record and information is stored on permanent database. Decentralized and distributed ledgers are harder to hack or attack since all the copies have to be attacked simultaneously to work. Less central control, overall easier to access plus more. This system can help manage our legal documents, licenses and more efficiently.

worth mentioning how cryptocurrencies can experience a form of centralisation, especially during a project's early years of development as less users are on a network allowing few to gain majority holdings followed by more control, however the understanding is with time as demand increases, number of users etc we see more adoption this will distribute stakes more evenly leaving less room for centralization as well as other concerns

< Back

Next >



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

What Is Cryptocurrency & Blockchain

Cryptocurrencies introduce a new and much needed level of security to our way of lives, an inevitable path. The technology will benefit many industries including the financial, logistic, academic, Information, Security plus much more. As you read through my site you will learn how this technology can and will be applied to current systems and infrastructure to make them more efficient, safe and able to keep up with the times. Cryptocurrencies are a digital cash designed to be quicker, cheaper and more reliable than our current standards. Instead of trusting a 3rd party / government to create your money, manage storage and transactions. With crypto users transact directly with each other as well as manage their own finances. Since a Middle man isn't required anymore transactions tend to be very affordable and quick. The term 'Ledger' is used which simply means a database. Learn more about Blockchain on the mining page

Cryptocurrencies use the blockchain technology to store all sorts of information from transactions, balances etc Access to these databases are available to anyone from anywhere at anytime. We use public keys instead of personal details so anyone viewing the public ledger will not have access to any personal details. Overall providing accessibility for auditing purposes and security at the same time, since all the information is recorded on a blockchain and cannot be altered in future. Transactions are secure, permanent and transparent. Creates a trustless system since the authentication is carried out autonomously over a network.

Blockchain is technology for creating permanent, secure digital recordings that don't rely on any single person or group. Blockchains can record any information, though the first example was created to record bitcoin transactions. There are hundreds of blockchains created by many groups to records all sorts of information including art, medical records, computer information and much more. However we must not confuse a blockchain with a centralised database where all the records are stored and managed by one group. With blockchain the network requirements are distributed and so a single person or group has no majority control or access.

A smart contract mixes blockchain technology with contracts to make a more efficient and affordable system of doing business. In a smart contract, two people doing business agree to a trade of good in exchange for money. if the requirements set by both parties of the contract are met it activates delivering what was agreed on. If the requirements are not met, the contract deactivates.

Similar to when we visit a website a digital certificate beside the website domain verifies the website usually with a green shield or tick, this is a form of cryptography, Encrypting information. This method in a way has been further developed and applied to currencies.

How Crypto Currencies Function & Operate

Different types of rules and problem solving operations are used which make the currencies available unique from one another. Also known as algorithms, briefly explained below. They define how a currency or platform works. Algorithms are essentially automated and control networks with minimal human interaction. Each one has their advantages and disadvantages. Remember miners replace bank clerks and any 3rd party service where accustomed to and are essential to networks running smoothly. These algorithms decide how miners function, their role and the overall operation of a system.

PoW – Proof Of Work

Used by Bitcoin, Ethereum, Monero, Litecoin, Zcash and many other crypto currencies.

Proof of work is a function or protocol which requires computational work to provide proof of work in order to validate transactions and operations. Users provide proof or validation by calculating many hashing operations to receive with the requested services. The process only takes a few seconds. Please read our mining page for more information on how it all fits together.

Created in 1993 by Cynthia Dwork and Moni Naor to prevent network attacks from Spam and DoS (Denial of Service) by requiring proof from the CPU. Developed further in 1997 by Adam Back so users are now required to solve Hashing equations for proof.



PoS – Proof Of Stake

Used by NXT, Peercoin, Ethereum is on its way to becoming PoS.

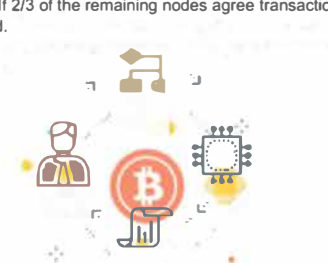
Proof of stake is where miners can validate blocks depending on how many coins they hold which simply means they receive more mining power. Proof of stake is more secure since with proof of work it's possible for miner to gain 51% share of computational power and perform an attack on the system, with proof of stake someone would have to hold over 51% of total coins which is unlikely to happen. Coins have to be locked into a deposit to participate in the operational requirements. Proof of stake also is cheaper in running costs. Less electricity and Computer hardware. With PoW users have to use their CPU / GPU power to mine and solve hashing equations which consumes electricity and resources. With PoS miners validate blocks depending on amounts they own reducing running costs significantly. Created 2012. By Sunny King & Scott Nadal.



PoA - Proof Of Authority

Delivering comparatively fast transactions through a consensus mechanism which verifies transactions based on identity compared to mining used in PoW. A Simple algorithm to grasp, remember using PoW transactions are verified by miners which can be economically demanding as well as vulnerable to attack if any miner gains a 51% majority. With PoA-based networks, transactions and blocks are validated by approved accounts, also known as validators. An automated process which doesn't require constant monitoring. It, however, does require a person to maintain their computer. With PoA, individuals earn the right to become validators, so there is an incentive to retain a position gained. By attaching a reputation to identity. This is considered more robust than PoS Proof Of Stake where transactions are verified depending on stakes or how many coins/tokens held. Meanwhile, PoW requires an enormous amount of computing power, which in itself lowers incentive.

PoA however tends to lean towards being more centralised over time.

[< Back](#)[Next >](#)



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

Tangle

Tangle is the DAG consensus algorithm used by Iota. Essentially a string of individual transactions that are linked to each other and stored through a decentralized network of node participants. Tangle does not use miners, users of the network function as the miners themselves by carrying out small computational Proofs of Work (PoW) for each transaction. Scalability is a challenge many cryptocurrencies face and Tangle aims to solve this. Transactions are faster and the number of individual transactions that the system can process simultaneously is unlimited. The IOTA Tangle uses the Winternitz signature which is a hash-based cryptography. Tangle is designed to be scalable operating on the idea where more people who use IOTA and Tangle, the more transactions are referenced, confirmed. This also means that as more people use it, the confirmation rates and timings improve, Tangle does not use blocks, not requiring addresses etc to be kept in the right order. Meaning all transactions can be stored on multiple devices, various locations, different orders and even separated or mixed together..

Hashgraph

Hashgraph: Hashgraph is a gossip-protocol consensus developed by Leemon Baird. Nodes share their known transactions with other nodes at random so eventually all the transactions are gossiped around to all of the nodes. Hashgraph is really fast (250,000+ transactions per second) but isn't resistant to Sybil attacks.

Block-Lattice

Block-lattice: Nano (formerly Raiblocks) runs with a twist on the blockchain called a Block-lattice. The Block-lattice is a structure where every user (address) gets their own chain that only they can write to, and everyone holds a copy of all of the chains. Block-lattice is very simple and open to unique attack vectors

Spectre

SPECTRE: Serialization of Proof-of-work Events: Confirming Transactions via Recursive Elections, better known as SPECTRE, is a proposed Bitcoin scaling solution that utilizes a combination of PoW and DAGs to reach scalable consensus. In SPECTRE, the blocks are mined pointing to multiple parents, not just one, so the network could potentially handle multiple blocks per second. Mining a block pointing to some parent blocks supports those blocks' validity.

Different Types Of Crypto Currencies

Utilities Tokens

These are tokens or coins which provide users with access to services and products. Since the total coins supply is limited the value is likely to appreciate over time if the project delivers as promised and succeeds. Some companies might give the impression they are utility coins however are really investments and so will be considered as securities.

Securities Tokens

Security tokens or coins describe any asset that can be traded. Coins backed by precious metal, real estate and so on. When money involved is for investment purposes it is classed as a security.

Equity Tokens

Equity tokens are part of securities. What makes Equity different is the token represents ownership of company assets, debt or stock. Ethereum based smart contracts are a good example which allow start-ups to easily issue stocks or equity tokens via the smart contract.



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

What is Bitcoin ?

Bitcoin is the world's first truly decentralized digital currency. It was implemented in early 2009 and has since become a wide spread crypto currency with an almost 500 billion dollar market cap and constantly growing.

Bitcoin is a digital or virtual currency which has many uses making it very attractive to both investors and users. From paying for goods as well as services.

It works on a technology called Block chain. More about Block chain technology to be added soon. There are a wide range of crypto currencies in the market, such as Bitcoin, Ethereum, Dash, Litecoin, etc.

Bitcoin is a digital currency which can be used everyday and is available to use online. Block chain at the same time opens many doors for other services to incorporate block chain into their business. From decentralizing storage, improving user experience and much more.

Is it Legal ?

A good question asked, Is whether it's legal to buy and make use of crypto currencies? When it comes to the legality every government has their own regulations to Bitcoin. Different countries deal with it differently. For instance, in the early months of 2017, Japan made Bitcoin a legal payment method and was the first country to legalize its use.

Keep in mind countries are all at different stages of their economic and overall development which simply means whilst it may not suit a particular Nation now the future is still open as as once right infrastructure is in place such as in developing nations it will allow the technology to be used more easily.

This move can influence other nations. Additionally, Russian officials are taking measures to adopt Bitcoin as a legal payment method. Crypto currency is not regulated by a central bank, the price is based on its supply and demand, similar to the price of gold or any other currency.

How do we trade ?

Similar to trading any other commodity using forex exchanges brokers etc. crypto currency trading refers to the purchasing and selling of various currencies available. Many people are day traders and take advantage of the daily price swings essentially earning a living from day trading instead of investing for a long term gain. There are many avenues to generating an income by simply trading.

Create an account at one of the reliable and safe crypto currency brokers, listed on our website.

We can also purchase goods using crypto currency. Big stores in the U.S like Target, Walmart, Nike accept this electronic money. Additionally, plenty of online stores take Bitcoins for their products and services as well as the businesses listed below and the number is only growing as this is typed. If you have any questions please feel free to get in touch via our facebook page.

< Back

Next >



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

What is currency / coin trading?

The term "currency trading" can represent different things. In terms of Digital currency, trading involves the buying and selling of coins on an exchange.

We can also trade these coins with other account holders such as our family and friends via the secure wallets provided by each Crypto currency.

These articles, on the other hand will discuss currency trading as buying and selling currency using online exchange with the intention to profit and gain capital. These articles are provided for general information only and to help you gain a better perspective by sharing what we have learned.

How trading works

A digital coin exchange rate is the rate at which one coin can be exchanged for another. It is always quoted in pairs like the ADA/BTC.

Similar to the currency we use everyday, the Euro and the US Dollar rates fluctuate based on economic factors like inflation, industrial production and geopolitical events. These factors will influence whether you buy or sell a currency pair.

When trading with digital currency, Bitcoin and Ethereum are used to trade depending on the exchange used with many more to follow such as NEO, COSS to name a few.

Examples of crypto currency trading

The ADA/BTC (Ada / Bitcoin) rate represents the current price of a single Ada coin and the Amount of Bitcoin required to purchase. Depending on the exchange used we either trade using Bitcoin or Ethereum which are purchased prior and deposited into the exchange of our choice.

We have recommended a few reliable and secure exchanges on our website to get you started and will update you with more in the near future as we build Cryptonix

A great website used by most of the community is www.coinmarketcap.com. They provide valuable information about the Crypto currency market, giving us statistics on over 1000+ Crypto currencies including details on their current price, circulation, market cap as well as other key information to help place yourself in a better position before investing.

If you believe a particular coin will increase in value, a purchase can be made with either Bitcoin or Ethereum. Each exchange has a minimum buy amount ranging from £2-15.

If the value for a coin rises, you can simply decide to sell your coins making a profit or keep them for long term.

If not trading and deciding to invest for the long term, withdraw coins to a wallet for security and store keys etc safely. More explained on wallets in terms of storage in other topics.

Please keep in mind that Digital currency trading involves a high risk, so please take your time and to learn markets, services etc

< Back

Next >



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

Key points to know before you trade or buy

Lately, currencies have been on a roller coaster ride with record breaking highs and lows. The world of Digital Currencies is dominating news headlines; but what does it mean, and more importantly, what do you need to know before you get on board?

First of all, it's important that you understand that trading the Crypto Exchange market involves a high degree of risk, similar to forex. Including the risk of losing money. Any investment whether it be forex or Digital should only involve capital you can afford to lose.

What is a an Exchange?

You may have noticed that the value of coins goes up and down every day. What most people don't realize is that there are exchange markets where you can potentially profit from the movement of these currencies. Some people decide to buy and hold a coin for long term if they have a higher price in mind whilst others make a living from the small price swings which classes them as day or short term traders. One of the great things about trading currencies now is that you no longer have to be a big money manager to trade this market; traders and investors like you and i can trade safely.

Investment portfolio preparation

Remember investing is not to be rushed allowing our emotions to dictate our actions. Keeping a clear mind is essential. An ounce of prevention is worth more than a pound of cure, so take your time writing out a plan for how much you can afford, how it will be divided etc. Spread your investment over different coins and over time to benefit from small price dips here and there

Short term & Long term investments

Investing short term so you aim to profit within a few months to a year as the value rises. Potentially using the profits to invest back in with higher capital. Advantages of short terms will require more time to be committed watching markets etc and selling when prices are high followed by buying back again when prices lower

Long term involves more initial research, instead were buying with the intention to hold for a few years before selling as we like to benefit from the maximum potential an investment has to offer. Bear in mind the time you spend researching will help you decide if an investment is for the long or short term. You are in control so it's wise to sell when prices are high regardless of long or short term.

Important: Beware of the risks involved

Finally, it cannot be stressed enough that trading in an exchange carries a high level of risk, and may not be suitable for everyone. Before deciding to trade you should carefully consider your investment objectives, level of experience, and risk appetite. Remember, you could sustain a loss of some or all of your initial investment, which means that you should not invest money that you cannot afford to lose. If you have any doubts, we recommend that you seek advice from an independent financial advisor.

Starting with smaller amounts is wise which allows you to build experience and develop a better understanding, gaining a better perspective. With time you begin to develop an eye and will spot patterns more easily. With Digital Currency we have to remember most of the information we are researching to determine the investment is found online due to the lack of coverage from the main stream media and in return can be time consuming.

< Back

Next >



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

Know the Language

In currency trading, traders often use technical language that can be intimidating when you're just starting out. Market caps, Supply etc. As you familiarize yourself with the language, you'll find that your understanding as whole will improve. Bear in mind when analyzing graphs and trends we refer back to experience gained through forex trading. We can break it down into two basic steps for now

Technical & Fundamental Analysis

To develop a strategy, investors use a variety of tools and techniques. Some perform technical Analysis by using Charts to study the market. This technique assumes that past market movements will help predict future activity. The effectiveness of Technical Analysis makes it a very popular trading technique.

Or we can use Fundamental Analysis for a trading strategy, following the effects of economic, social and political events on prices. Reading specialized News can help keep you in touch with the community to find out how events might affect currency prices.

Combining both techniques along with various others allows you to cover the market from most angles improving chances of a profit.

Know the Risks

There are risks involved with Crypto currency as the technology is still in its Early days. Keep in mind the Forex exchange for trading currencies and commodities we use every day has a market cap of over 2 Trillion dollars. With Bitcoins only at around 500 Billion their is still alot of room for growth.

As mentioned different countries will adopt the technology for a variety of uses and at different rates due to the simple fact each country is experiencing different levels of growth. So as some countries set to temporarily ban Crypto Currency we can expect the price to be effected. However by putting in the time and effort to research opposed to taking some ones words for it and finding out for yourself we can be make more accurate decisions and at the same time be assured that such events are not for certain and only for short periods

Practice makes perfect!

Every trader makes mistakes, so it's a good idea to familiarize yourself with a trading environment before you invest your money. To improve your trading skills, try trading with only small amount and rest assured as time progresses so will your knowledge.

Research your investment

Justify your investment by carrying out research into the community via social media pages, forums and perhaps joining to share you own thoughts and ask a few of questions of your own after all it is your money invested into the project giving you the right to inquire. Analyze the market your investing in to see if their is room to grow, any similar products and how competitors are performing if any. Will your investment actually solve an issue in a realistic manner. Many projects are slightly too ambitious making your risks higher however rewards equally higher too.

Some links below which you will find usefull and worth sharing:

www.bitcointalk.org / www.reddit.com / www.youtube.com / www.coinmarketcap.com / www.steem.com



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

SMA - Simple Moving Average

Moving averages are without a doubt the most popular trading tools and indicators. What is a 'Simple Moving Average - SMA' and learned on Forex mainly. A simple moving average (SMA) is an arithmetic moving average calculated by adding the closing price of the security for a number of time periods and then dividing this total by the number of time periods.

9 or 10 period: Very popular and extremely fast moving. Often used as a directional filter (more later)

21 period: Medium-term and the most accurate moving average. Good when it comes to riding trends

50 period: Long-term moving average and best suited for identifying the longer term direction

The above refers to number of days from the current day when looking at a chart for a particular coin to try to determine the movement.

Bear in mind these tips have been acquired though trading with forex where trends are more predictable and can be followed easier.

Important Dates and Key points

- Low market cap means projects have much more room to grow
- Higher market caps are likely more popular so returns could be less however safer.
- Investments which will solve real world problems are worth keeping an eye on
- ICO - Initial coin offerings are when projects are still crowd funding.

Another tip worth sharing is how dates such as Announcements, New year, End of tax years, Holidays and so on around the globe can influence prices as traders cash out to spend their earnings allowing a good opportunity for others to invest. For example the Chinese new year commonly known for dropping prices significantly as well as other key dates through out the year.

Investing can be time consuming however rest assured as time goes the rewards will be greater and is really that simple. We receive how much we put in. Similar to anything else in life we invest our time or energy in, all of which needs practice and most of all patience.

Trading Tips

As mentioned in previous topics, Crypto Currency is new and growing with many new projects and at the same time not enough main stream media coverage as marketing essentially is becoming more competitive. Finding patterns will not be as easy. Predicting the price movement for now is a challenge even for the most experienced investors in Crypto Currency. It simply means it's up to us to find the information we need for ourselves via the web, networking, events, socializing and applying it with our experience or knowledge to the market being invested in to decide how much and how long to invest for.

Set stop losses. Buy Orders. Take a look at Discover page to learn more tips.

Understand current value of an investment

When trying to understand the value of a coin we look at few things. Some listed:

- Market cap
- Total supply
- Circulating supply

Also the community, market etc mentioned in previous topics.

The reason Bitcoins price is estimated to reach high numbers is due to its overall supply of 21 Million. No more can be made meaning as time goes eventually the supply will decrease as demand increases raising the value.

The market cap is calculated based on the last price a coin was sold for multiplied by its supply and can be misleading and should not be used alone when investing. So if the total number of coins for example = 5 and were bought at \$1 the market cap will be \$5. If someone was to sell a coin for \$2 the market cap becomes \$10 now.

So we must use different figures and data when trying to decide if an investment is right and if the time to buy is right buy determining if the price is accurate first before calculating if their is room to grow and so on.

As well as social media etc if for example the investment your planning to get into seems high. Researching will allow you to see if the price is due to natural growth or attention otherwise known as 'Hype' which in this day and age can be fueled by a famous person mentioning a coins name increasing it's awareness and over all price. However if a price is raised by hype we can expect it to settle down after. Still profitable however serious investors are after project development.

[View Tutorials Page For A Guide Around Exchanges & How To Place A Trade](#)



INFORMATION



CRYPTO



BITCOIN



BASICS



PLANNING



RESEARCH



TRADING



PURCHASING

What is a digital wallet ? Visit Wallets Page For More

We have online wallets and offline wallets allowing us to send, receive and monitor currency. Visit the wallets and tutorials page to purchase your wallet, setup and learn about storage. Get yours today.

Each coin has it's own secure wallet which can be found on their main website and is advised to use if buying for long term as this keeps you in full control. If trading it's easier to store on the exchange and simply to transfer offline when not trading for safety reasons.

A wallets is basically an I.D consisting of random numbers and letters. Each wallet has it's own login page supplied by the providers main website unless a desktop version is available. The Wallet also provides the user with a Password otherwise known as a key which consists of numbers 1-9 and letters A-Z. The password or key is roughly 0-64 values long including both numbers and letters. Each one is unique and should be stored safely. The code should not be shared with anyone you don't know or left stored on any devices connected to the Internet

The wallet I.D allow us to deposit into the wallet and the password will be required each time we try to access the wallet. Remember to keep your wallet I.D and Key very safe. if you loose these we will loose access. A paper wallet is safe and used by millions. This is where we write down or print the key manually entering when need be. Advantages of storing your key on paper makes it almost impossible to be compromised

During the course of 2018 we will see many new products available on the market allowing us to store multiple coins under one wallet for convenience increasing the overall usability of such currencies.

We also have USB devices specifically created to store multiple coins as most wallets will only hold their own coins. The Nano Ledger is one of a few products allowing us to store more the one coin offline on USB safely. Please visit our page on wallets explaining more on storage and security.

Withdrawals and VAT?

Simply withdraw funds back to the wallet where funds were deposited from such as Coinbase. When you decide to withdraw funds and convert your currency to USD / GBP / EUR / JPY / CHF / RUB etc we are likely to owe VAT on the amount. Which will be either regular Vat or CGT (Corporate Gains Tax) Each Tax, Vat law varies with countries. In U.K trading maybe classed as speculative such as gambling, day trading or investing. All of which require different Vat levels. The HMRC in U.K assesses each individual case. Please look into regulations for your area. Visit HMRC page on Crypto currency here.

Where and How to buy guide

VISIT HOME PAGE FOR FULL LIST



COINBASE

- Easy, straight forward. Most popular
- Purchase using debit or credit card
- No minimum requirements to buy
- Coinbase is a broker and takes a fee
- Fees charged when buying, selling and transferring
- Has it's own secure online wallet
- used my millions of users around the world
- Can buy up to 4 Digital currencies at the moment
- Can be transferred to exchanges from here



LocalBitcoins.com

- No fees, Directly buying from buyers.
- Purchase using Credit / Debit card, Cash plus more
- Minimum buy requirements depending on the seller
- How Bitcoin was intended to be sold and purchased
- More risk involved so research sellers
- Buying from verified sellers with good feedback etc
- Has it's own secure online wallet
- used my millions of users around the world
- Can be transferred to exchanges from here



VISIT CRYPTONIX HOMEPAGE, REGISTER WITH MORE WORLD LEADING BROKERS & EXCHANGES

I'VE ALSO CREATED TUTORIALS TO GUIDE YOU THROUGH.

< Back

Next >



How To Buy Bitcoin, Ethereum & Other Cryptocurrencies

Visit tutorials page for videos on how to start up



Register with a Broker from our home page, handpicked for you



Using your local currency
Either credit, debit card or cash



Purchase Bitcoin, Ethereum
& Other Cryptocurrencies

How To Buy Alt Coins & Other Cryptocurrencies only available on exchanges.

Keep in mind majority of the other cryptocurrencies are purchased with our Bitcoin & Ethereum



Register with an Exchange from our home page, handpicked for you

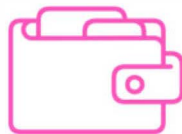


Transfer Bitcoin or Ethereum
From your Broker to an exchange



Select from over 1000
Cryptocurrencies to purchase

How To Store, Keep Bitcoin and Cryptocurrency secure



Select your wallet type
Visit the wallets page for more



Transfer your Bitcoin or Crypto from
the Broker or Exchange to an offline wallet



Store your Key, Pass phrase &
any other information safely

When transferring crypto between Brokers, Exchanges & Wallets. We use the send option and simply enter the receiving address for your selected currency which is located on every Broker, Exchange or Wallet

Brokers only support a few out of the 1000's of currencies available in which case coins will need to be transferred to an offline or online wallet

< Back

Next >



Key Words - Dictionary

Algorithm

An algorithm is a sequence of instruction put in place to perform a task or solve a problem

Air Drop

A process by where coins are distributed freely on a first come first serve basis, encouraging use and awareness

Alt Coin

An Alt coin is an alternative crypto currency also known as an alternative coin. With over 1000s to select from

Bear Trap

When investors try to profit from the price moving down. Causing temporary quick price drops catching others out

Breaking

Breaking is the process by which you expose a system information which is hidden and secure by infiltrating

Bot

3ot is short for 'Robot' which is simply a computer program that automates the investing process of an asset for you

Bull Trap

When investors try to profit from the price moving up and cause a temporary quick price jump catching others out

Consensus

When majority agree on a similar thing we reach a consensus. The general agreement or understanding

Cold Storage

Cold storage is simply digital data stored away from any connection to the Internet, computer or any network

Cryptojacking

Is when someone's computer has been used without their permission to secretly mine cryptocurrency

Cryptography

Cryptography is the process of protecting information and making it unreadable thus protecting the data

Centralized

Centralized is when a system or organization is controlled by one person or a group of people, a company, Group

Capital

Capital in economics is when you have anything of value which strengthens your position towards making more wealth

DApp

DApp is a decentralized software applications running on a network of computers which are public

Double Spending

Double spending is a form of deceit where someone tries to spend the same token twice, Creating identical transactions

DEX

Is a decentralized exchange. This where users trade and exchange directly without any 3rd party involvement

Digital Signature

Is a certificate based of a digital I.D. Using cryptography to authenticate document contents and senders I.D

Decentralized

Decentralized is when a system or activities of an organization are controlled by distributing across away from central point

Dip

A dip is caused when a crypto currency, stock or asset drops in price

Escrow

When a 3rd party is involved in a transaction or trade and holds valuable whether money or goods to reduce any risks

Exchange

An algorithm is a sequence of instruction put in place to perform a task or solve a problem

Encryption

A secure and efficient process by where information is made unreadable and hidden

ERC-20

ERC-20 is when a crypto has been built using the technology behind Ethereum as it's foundation

Equity Token

Equity token is when an investor owns a digital asset which gives them percentage of ownership into the company

Fork

A fork is similar to an update. A fork is when the blockchain splits into two paths. A hard fork when two separate coins emerge

Fiat Currency

was introduced as an alternative to commodity & representative money. Government issued, backed by trust and promises

OTC - Over The Counter

OTC is when a trade takes place in person similar to an ATM or payment machine not on an exchange.

Hash Rate

Hash or Hash power is a measure in h/s. It is the speed at which a computer is completing an operation

Hyper Ledger

Started by the Linux foundation and is working towards expanding, advancing cross industry blockchain use.

HODL

HODL which is short for 'HOLD' which in this term means Hold On For Dear Life. Investors who hold and never sell.

KYC

KYC also known as Know Your Customer is a customer authentication process required for financial organization

Limit Order

A limit order is when an order is placed to purchase or sell an asset when it reaches a particular price, normally for profit

Leverage

Leverage gives us more trading value using margins. Simply put it's when we use borrowed money to purchase an asset.

Margin Trading

This is when we use money borrowed from the trading platform to add more value to our investment, leveraging from it.

Master node

Someone who has a high stake in a cryptocurrency giving them privileges of holding a full copy of the blockchain. Acts like a server

Market Capitalization

Market cap is how much of a market an asset has. Used to calculate its value. Multiply total number of coins x recent price

Peer To Peer

When resources or files are shared between two computers directly on a network without a 3rd party server in between.

Pump & Dump

Is when an asset is illegally manipulated inflating the price in order to sell to others and dump.

Road Map

When an organization sets out its goals and targets in chronological order for everyone to view. It's long term plans etc

ROI

Return on investment is when we calculate the percentage of return from an investment, comparing to the price paid

Shorting

When a 3rd party is involved in a transaction or trade and holds valuable whether money or goods to reduce any risks

Soft Cap

When raising money through an ICO soft caps are set to make sure a minimum amount is raised otherwise will not go ahead

Utility Token

Utility token is a digital investment, where an investor has special access to a product or service

Token

A digital way to represent value, services or a product. We have 3 types, security, equity, utility tokens.

Volume

The amount or quantity of an asset purchased between a period of time. We have buy and sell volumes.

Wallet

A digital wallet is simply a software connected to a blockchain allowing users to send, receive and store currency

Whitepaper

A document which explains a company's goals, targets etc used as marketing to convince investors of its business model

Whitelist

The opposite of blacklisting, users are given privileges, rewards. A list of participants who maybe joined early or trust worthy.

Zero Confirmation

When a transaction has not been recorded on a blockchain and the, for example a seller delivering what was sold without payment

Lightning Network

Using Bitcoin's technology lightning network aims to provide almost instant transaction time as well as low fees

ICO - Initial Coin Offering

An ICO is when a coin allows the public to invest offering only a limited amount of coin for a limited time.

Open Source

Open source is when a particular technology is made available for everyone to share, adjust and contribute. Hence the name



What Is Ethereum, How Will It Help?

A smart contract uses block chain technology with contracts to improve the efficiency of doing business. Allows credible transactions to be carried out without the needing a 3rd party. Which will effect how many businesses operate from accountants solicitors, lawyers, merchants any one dealing with invoices, contracts etc

You can use smart contracts for different situations ranging from financial derivatives to insurance premiums, credit enforcement, breach contracts, property law, legal processes, crowd funding, financial services, plus much more.

Remember block chain is distributed amongst many individuals where as if it's controlled or distributed over a small group usually and organization it's regarded as a database. Read through the topics, simplified for you to figure out how it all works. Not much to it and simply a matter of familiarizing with.

How Does Ethereum Work

Ethereum is similar to blockchain however works differently. Ethereum a distributed blockchain network. Bitcoin Uses an element of blockchain to carry out peer to peer electronic currency transactions which can be tracked, recorded etc Ethereum on the other hands focusing on being an open source software platform based on blockchain. Ethereum a blockchain based decentralized platform where decentralized applications DApps can be built. Allowing developers to build anything they want which will change the way we see Apps in future.

A smart contract simply works when to people wish to carry out a transaction. Specific requirements are set in place by the people interacting. It executes the task once specific conditions are met. The contracts cannot be altered once set, going onto a record which can be accessed from anywhere at any time. Perfect for security.

For example, lets say Cryptonix offers a course online where payment is required in exchange, using smart contracts to carry out the process. Payment is made in cryptocurrency. The contract agreement is for me to deliver the course in order to receive payment. Payment is held in an escrow or virtual vault using the virtual smart contract till it confirms the course has been delivered after which the funds are released. Similar to how Paypal and other financial bodies hold funds temporarily to protect both parties however this is automated. A very straight forward process. Contracts can be customized completely for example a holding goods, funds till a set date even if requirements are met early. In the event of the contract not being fulfilled, maybe a missed date etc the transactions are automatically reversed, refunded etc The funds once funds are received.

Ethereum is Currently Proof of work with plans to move over to proof of stake with the launch of Casper in future. Making it a hybrid of PoW and PoS. Benefiting from greater security and less energy consumption. Miners within the Ethereum network Earn Ether which is also used by application developers on the Ehtereum network whether for payments, fees etc Ether works the same way to compensate miners and create incentive similar to bitcoins however due to limitless amount of Dapps which be can be developed on it's platfrom using Ether makes it promising in terms of investments.

Visit my Cryptonix Facebook page for interesting news on Ethereum and how Jp Morgan has a coin called Quarum which is a fork of Ethereum similar to how Bitcoin Cash is a copy of Bitcoin. Remember the codes for these platforms are open source meaning anyone, you or i can simply duplicate to create our own similar blockchain.



Many cryptocurrencies, including Bitcoin experience an event call ' Halving' Every few years. Since cryptocurrencies have a fixed supply and achieve this by halving the mining rewards at regular intervals. This is amount miners are payed each time a block is mined. This reduces the distribution of coins essentially affecting supply by reducing the amount of coins in circulation and increasing demand for the cryptocurrency overall as supply is shorter.

Bitcoin halving is when the the block reward miner receive for mining a bitcoin is halved. Currently at 12.5 and will move to 6.5 soon. This miners earn less.

The science behind it is simple..Bitcoin has a limited supply of 21 million which means that it is not possible to provide mining rewards for unlimited time. Every 210,000 blocks in the blockchain, at 10 minutes per block it equals to every 4 years. With regards to bitcoin, the mining reward is cut in half. This is coded into the distributed software known as a node which is used by all miners and so already built in and factored.

Visit the mining page to learn how mining works in depth.

Bitcoin is similar to a commodity like gold where as time goes it becomes more difficult to mine, essentially halving extends Bitcoin's system since there is a limited supply similar to gold. Whilst increasing its price as the volume reduces over time. Imagine if the block reward was at 50 Bitcoins similar to many years ago, Bitcoin would run out sooner. This also goes hand in hand with mining technology taking into account rate at which tech develops since the equipment used nowadays also has to match the difficulty to an extent.

Cryptocurrency Halving Dates

Cryptocurrency	Halving Date	Current Block	Halving Block
Bitcoin	Mon, 11 May 2020 18:38	621596	630000
Litecoin	Sun, 02 Jul 2023 23:28	1805596	2500000
Bitcoin Cash	Thu, 06 Aug 2020 03:08	609161	630000
Bitcoin SV	Fri, 10 Apr 2020 02:38	626156	630000
Zcash	Wed, 18 Nov 2020 12:03	759452	1046400
Bitcoin Gold	Tue, 06 Jul 2021 10:18	561022	630000
Ravencoin	Sat, 08 Jan 2022 20:32	1141766	2100000
Bitcoin Diamond	Wed, 05 Aug 2020 12:58	609246	630000
Bytom	Fri, 01 Apr 2022 07:13	409218	840000
Monacoin	Thu, 31 Mar 2022 02:46	1385568	2102400
Verge	Thu, 25 Jun 2020 23:41	3901714	4200000
Vertcoin	Sun, 13 Feb 2022 21:36	1275945	1680000
Blockstamp	Sat, 15 Aug 2020 06:01	828477	1050000
Einsteinium	Mon, 11 Nov 2024 18:40	2803158	5256000

[< Back](#)[Next >](#)



Mining Cryptocurrencies Summarized

cryptocurrency mining is a process which involved various types of transactions which need to be verified before adding to a digital ledger. Every time a transaction is made a miner is responsible for the authenticity of the information before updating the blockchain. Which involves competing with other mines to solve a mathematical problems using cryptography, a form of encryption similar to how website are automatically verified in your search bar above with digital certificates, this process using cryptography as well. The first miner to solve the code receives the reward.

Mining cryptocurrencies has grown allot in popularity over the passed years favoring those who adopted early as the mining difficulties were much easier with less competition, more volume of coins available and so on. When mining a certain coin becomes more competitive difficulty to mine increases to maintain flow which requires upgrading equipment and further investment or switching over to another profitable coin. In some cases we are better of buying the coins we are interested in directly through an exchange since it's cheaper compared to mining.. Bitcoins is not recommended as a good choice for beginning to who wish to start mining, especially if on a smaller scale, perhaps as hobbyist interested in learning how it works. The same equipment can be used to mine other profitable coins. The current up- front investment, maintenance costs doesn't make it profitable for anyone using consumer level hardware. Over time Bitcoin mining become more reserved for large scale operations .

Mining accomplishes these three things in a nutshell

Providing bookkeeping services to a coins network. Since mining is automated it's essentially 24/7 computer accounting and verifying transactions. As a miner you get paid a small reward for the accounting services by receiving fractions of a coin every few days which over time accumulate and due to price swings can prove to be profitable. Same time paying miners gives incentive to keep providing the support and keep the system operating Which is why if we see event whether natural, or political effecting mining it in turn has an effect on cryptocurrency prices. As a miner you will want to keep your costs low from electricity to hardware.

[Visit the mining page to learn more interesting information along with examples to help you understand better](#)



Dynamics Of Being An Investor

‘ Investing In Yourself ‘

lets learn more about the dynamics of investing and what it roughly requires in order to be a successful investor. Each of us individuals are unique with different personal traits which effect our behavior when it comes to investing. Same time learning the dynamics is a very broad topic which i will try to simplify for you. Covered in more detail as you read through my web site.

Money is great tool if used correctly. The ability for money to create more money which isn't rocket science and available for anyone with even the basic resources to access.

Financial planning is important for everyone and a must since this goes way beyond savings. It is truly an investment in ourselves from our lifestyle to behavior

The need for saving has increased over the years as more jobs are privatized some with less securities in place find themselves having to save for un for seen circumstances. With advancements in medicine and overall health our lifespan has also increased however the age for retirement remains the same coupled with hight cost of living means we have to save more in order to live a comfortable life after retirement. With inflation worth considering saving should be every individuals priority as the value decreases while demand increases.

Hence why we as investors need to look and plan ahead.

Saving money is no longer a good enough option, almost looses value. Forcing people to move from saving to investing.

What does investment mean? it's and activity which is committing our resources to with the hopes over time benefits will be acquire through profits or gains of some sort. Commitment of funds and time as well.

As investors similar to how we spread our investments we also don;t rely on one income in life. Investment has almost become necessary.

An individuals investment behavior is influenced by many things. Everyone has their own risk taking ability, requirements, understanding of their strengths, areas to work on and so on. This is where personal investment comes into the equation.



What Is Blockchain & It's Benefits

Blockchain is a ledger, a growing list of records that are linked together using a form of encryption called cryptography. The information called blocks are linked on a database the chain. Blocks store various information from date, time, dollar amount, who is participating. Each block stores a information also known as a hash which is a unique code similar to an I.D allowing to recognize a block.

Open Ledger - The transactions are publicly accessible by all users
Distributed Ledger - Each user has a copy of the ledger

Advantages:

Accurate, Cost reduction, Secure, private, transparent. Does not require 3rd party intervention, auditable aswell as scalable.

More in detail under topics above, Information & Crypto.

Disadvantages:

Cost of mining can be significant as well as demanding on environment, transactions per second needs improvement, used for illicit trade an can also e hacked if conditions are right.

What Is Cryptocurrency

Cryptocurrency or otherwise known as crypto currency is simply a digital currency, asset providing a medium of exchange using cryptography to ensure transactions are carried out securely, effeciently, additional units can created if required as well as verifying.

Crypto currency is simply the cryptography of blockchain added to a currency.

All cryptocurrency transactions are recorded on a blockchain. Bitcoin was the first blockchain created in 2008. Since bitcoins release, many other cryptocurrencies have been developed each with their own unique use of the blockchain. These coins are referred to as Alt Coins or Alternative Coins. A term used often.

Cryptocurrency works on encryption so when a transaction takes place and data is encrypted 2 keys are produced which are linked together mathematically, one key is required for encrypting and the other to decrypt. When storing our cryptocurrency we have a public key which is available to use to send, receive etc and our private key which is the key used to decrypt and access the account.

Cryptocurrencies are decentralized, Learn More about cryptocurrency, dfferent types under the Crypto topic above. Some cryptocurrencies are built using the same framework as previous currencies and called forks. When using another cryptocurrency built with open source simply copying the code to create their own similar currency allowing people to create their own easily.

What Is Ethereum

Ehtereum is a decentralized currency as well as a decentralized open source, public platform meaning anyone can access and use it. Aimed at developers giving them a place to create decentralized applications. Operating using smart contracts. Ether is the cryptocurrency on the Ethereum platform given as a reward to miners for mining nodes. You Can control money and digital currencies, build application anywhere in the world

Similar to how bitcoin is aiming to change the financial way of life with digital currencies and decentralizing currency Ethereum is working towards changing the internet which is centralized. When we access website, login using passwords the system verifies the information provided on databases which are help by companies at data centers, clouds etc which is why some people mention how unsafe their data is if any central organization is compromised. Ethereum Wishes to distribute all the computational requirements to all the users across the planet via it's nodes.

A key feature of Ethereum is using smart contract. In a nutshell this is when a transaction automatically executes after certain conditions have been met. Similar to an escrow and how 3rd party organization temporarily hold funds till they can verify both parties have completed what was agreed only this is automated. You can imagine for yourself, this will eventually change how invoices are managed, contracts etc changing many industries from accounting, law, insurance, finance, health plus much more



TAX & VAT

Tax laws for cryptocurrency vary between different countries, some have been much more open to accept blockchain whilst others followed suit.

It's worth looking into your TAX and VAT laws in your area also keeping in mind as the market grows policies will be likely be added, refined.

It's straight forwards depending on income and type of investment they can either be classed as speculative, gambling or investing. Each have other own TAX requirements which likely falls under Capital Gains Tax otherwise known as CGT. Allot of how you get taxed depends on your overall incomes and investing behavior

It also worth noting gold can be sued as an alternative when deciding to sell convert profits inot local currency. Instead of converting directly to your local currency paying tax we can buy gold using crypto through various avenues. Since gold is Tax free we don't have to pay. Bear in mind selling the gold for crypto might not be as easy as converting crypto to gold.

As mentioned the market is still growing and as it matures we can expect more avenues to open up for investors or traders to make purchases with crypto or even directly invest back into other investments. I'm sure things will improve

Links to bitcoin & cryptocurrency tax laws in United Kingdom U.K, America, Switzerland, China, Brazil, Israel, Argentina, Australia Canada, France, Japan, Italy, Ireland, Sweden, European Union, Finland, Spain, Netherlands, Isle Of Man, Norway, Russia, Malaysia Hong Kong, India, Cayman Islands, Bahamas, Jamaica, Dominican Republic, South Africa, Kenya, Serbia, Singapore, Germany Belgium, Czech Republic, Spain + Many more.

TAX laws for cryptocurrency in U.K

Implemented in 2013

Tax on crypto assets for individuals, businesses etc

<https://www.gov.uk/government/publications/tax-on-cryptoassets>

Tax on crypto assets for individuals only

<https://www.gov.uk/government/publications/tax-on-cryptoassets/cryptoassets-for-individuals>

Check if you need to pay tax in Great Britain, U.K

<https://www.gov.uk/guidance/check-if-you-need-to-pay-tax-when-you-sell-cryptoassets>

Tax laws for cryptocurrency in America

<https://www.irs.gov/businesses/small-businesses-self-employed/virtual-currencies>

Tax, Vat & Laws on crypto in:

Switzerland, China, Brazil, Israel, Argentina, Australia Canada, France, Japan, Italy, Ireland, Sweden, European Union, Finland, Spain, Netherlands, Isle Of Man, Norway, Russia, Malaysia, Hong Kong, India, Cayman Islands, Bahamas, Jamaica, Dominican Republic, South Africa, Kenya, Serbia, Singapore, Germany, Belgium, Czech Republic, Spain + Many more

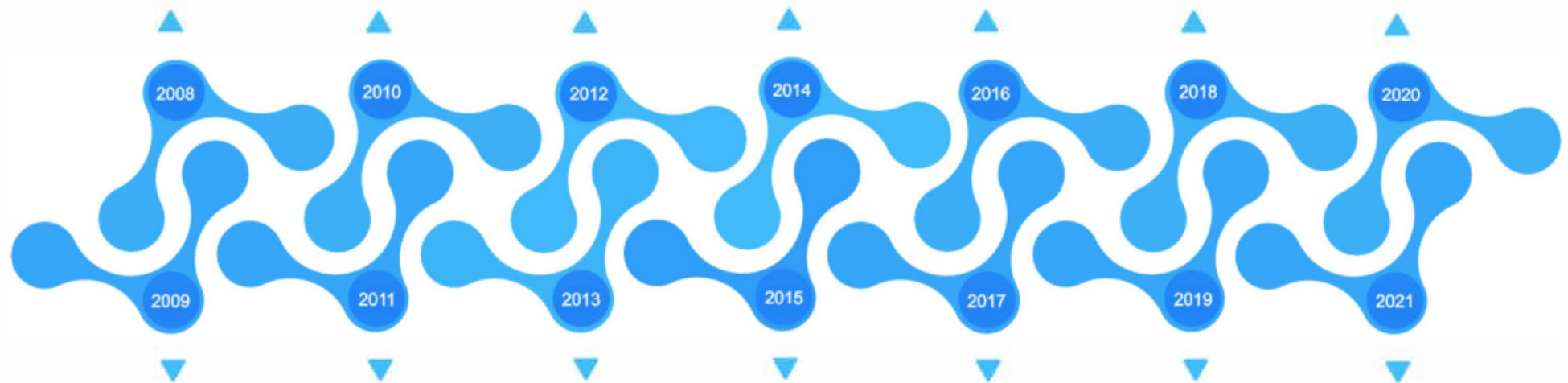
<https://www.loc.gov/law/help/cryptocurrency/world-survey.php>

Videos Explaining Tax Laws In U.K & Germany

< Back

Next >

Crypto Timeline



To View Visit
www.abitofcrypto.com

< Back

Next >

Summary of some coins available



Bitcoin

Bitcoin is the first decentralized digital cryptocurrency with its own payment system. Bitcoins are sent from user to user on the peer-to-peer network directly, without the need for 3rd party involvement. These transactions are verified by network nodes via cryptography and recorded in a public distributed ledger called a blockchain. Bitcoin was invented by an unknown person or group of people using the name Satoshi Nakamoto and was released as an open-source software.

Released - Januar
Trading Name - B*
Author - Satoshi Nakamoto



Ethereum

Ethereum is an open source decentralized platform which runs smart contract applications. The applications work exactly as programmed with no downtime, censorship, fraud or any 3rd party interference. Works on the proof of work POW algorithm. Similar coins are Waves, Neo, Cardano to list a few competitors. Fastest growing developer community. Alliances with companies like Microsoft and Intel to name a few.

Released - July 2015
Trading Name - ETH
Author - Vitalik Buterin - Development funded by online crowd sale



Ripple

Ripple is a real time gross settlement system (RTGS), currency exchange and remittance network that runs on Ripple. Also called the Ripple Transaction Protocol (RTP) or Ripple Protocol, XRP is being supplied to banks to assist with cross border transactions. Near instant transaction times, settlement infrastructure used by banks. They have significant corporate backing and a large team. Used by UBS, UniCredit and Santander. Founders of Ripple control more than 60% of XRP. Similar coins are Stellar Lumens.

Released - 2012
Trading Name - XRP
Authors - Arthur Britto, David Schwartz, Ryan Fugger



Basic Attention

Basic Attention Token is based on the Ethereum platform which powers a marketing software called Brave powered by blockchain. Essentially an Ad platform aimed at the global market. Founded by Brendan Eich who created JavaScript, co-founded Mozilla & Firefox. A promising project which offers rewards providing incentives for using the platform. Brave is a web browser. This decentralizes Ad all the way to revenue giving users a share as well. BAT token is a payment system for their platform.

Released - May 2017
Trading Name - BAT
Authors - Brendan Eich



Chainlink

Launched by a fintech company called smartcontract. Smart contracts will change the way many industries work especially ones working with any sort of legal agreement from contracts, invoices, bank payments, documents just to name a few out of many. Working using the Ethereum platform, aiming to be the middle person or middleware for communications between blockchain. A distributed oracle network, a software that allows and looks after the connection between a client and an oracle database server. Chainlink has strong partnerships and a good one to look out for.

Released - June 2017
Trading Name - LINK
Authors - Sergey Nazarov as CEO, and Steve Ellis as CTO

For more coins visit
www.abitofcrypto.com

< Back

Next >

Introduction To Wallets & How to Safely Store Digital Currencies

Different types of wallets, storage methods to keep your coins secure. Available below

PICK A TOPIC



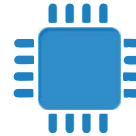
WALLETS



SOFTWARE



PAPER



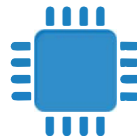
HARDWARE



SECURITY

For good practise it is advised to transfer your coins away from an exchange to a safe offline wallet if not trading.

Hardware Wallets



Secure and reliable wallets
available to view in more detail



For tutorials on how to setup a wallet + reviews visit
www.abitofcrypto.com

< Back

Next >



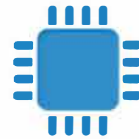
WALLETS



SOFTWARE



PAPER



HARDWARE



SECURITY

Crypto currency has certain rules and protocols that make it work, the ingenious part of crypto currency is not necessarily the creation of the currencies but rather the creation of the technology it uses to achieve its purposes. It is a good thing this particular type of technology makes it possible to transfer property rights (i.e shares and digital money) in a fast, transparent and very secure way.

Another positive note is these transactions can take place without the involvement of a third party as an intermediary i.e government, notary, or banks. Cryptocurrency does not need companies or governments as the “middle man” when carrying out transactions.

The main protocol (Bitcoin protocol) is just one out of many crypto currency coins available out there in the market and a lot of businesses are now forming around the idea of creating their own coins creating more decentralization as it should be.

Bitcoin is the main currency of the Internet. The internet lacked fast payments until recently when the need for virtual currencies spiked; allowing and ushering new alternative coins (altcoins) into the market to help with anonymous payments without huge transaction fees, providing low exchange rate charges, preventing risks associated with credit card payments, and also allowing users transfer even small amounts of money with little fees. These benefits made virtual currencies go from being a tip to mainstream, with public stores seeing the need for it as the new currency of the future.

We present to you a short summary of what crypto currencies are

1. They can't be held in our hands; why? They are purely digital, not physical.
2. Not physical. Yes! but we still need a wallet to store/save them.
3. We have two types of wallets:
(A) Hardware wallet (B) Software Wallet

Each coin has its own wallet which can be found on their website and are available for Windows, Mac, iOS and much more. Or simply purchase a hardware wallet below. For good practise store your private key in more than one place. Once a wallet is created, software or hardware a public key is created which is used to receive currency and a private key which gives you access to your coins. Enter the receiving address if you wish to transfer coins. Use the copy and paste options to avoid typing errors since it might not be reversible losing funds. Remember we are in full control with little room for errors.



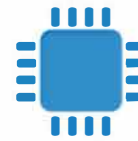
WALLETS



SOFTWARE



PAPER



HARDWARE



SECURITY

Software wallets are programs and applications that are often accessed on a smart phone or pc. They are very easy to use but come with some amount of risks- they are vulnerable i.e if the device they're run on is compromised or hacked the user could lose his/her coins. These types of wallets are often used for making little transactions or as a temporary storage

Examples of popular software wallets include the following.

Electrum

is recognised for its ease of use and simple user interface and most importantly its safety and reliability.

Coinbase

is an online exchange; although less secure than hardware wallets it is one of the biggest Bitcoin exchanges in the world and user friendly; also allowing you store your Bitcoin, Ethereum and more in the wallet provided there too.

Blockchain

ensures its users are protected by 2fa authentication methods. A very simple website with good security.



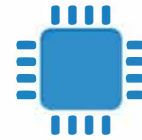
WALLETS



SOFTWARE



PAPER



HARDWARE



SECURITY

A paper wallet is where we simply use an online or an offline process to create a unique set of keys for us. We write this down storing our private key on paper or any other material of choice.

It's a trusted and reliable method used by most which is why I'm advising on using paper wallets as well. It's hard to go wrong with paper since it will survive all situations and is impossible to hack,

it's fairly simple. Make sure to store the paper somewhere safe. Paper is very versatile. A good idea is to laminate the paper at the same time keeping it safe from moisture.



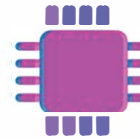
WALLETS



SOFTWARE



PAPER



HARDWARE



SECURITY

Hardware wallets are specific designed physical devices running their own software wallet; making them significantly more secure than online cloud based software wallets. These types of wallets require the user pressing a physical button to confirm transactions. This physical authentication make hardware wallets more secure and harder to hack and this is the reason they are recommended for long time storage and transactions that require large amounts; these type of wallets provide multi functions as they support other types of crypto currencies.

Examples of popular Hardware wallets include the following.

1. Ledger Nano S - The Ledger Nano is a product that is sleek and attractive and also provides good security features as backup seed key for recovery of the users Bitcoin. You can connect to the ledger nano s to a computer or mobile device via USB. We can also store multiple currencies on the the Ledger Nano S.
2. Trezor Bitcoin - Created by SatoshiLabs, was the world's first hardware wallet having an OLED screen that displays the digit pins and the recovery seed key to ensure security even when the device is lost or damaged. This allows storage of multiple coins although not as man as the Ledger Nano S.
3. KeepKey - Another hardware wallet device for storing bitcoins. Although, it is not portable enough it works like other hardware wallets. Introduced more recently then others with promises to offer more feature in the future.

[Purchase your Hardware wallet below. Select from the Trezor and Ledger Nano S.](#)
[Different colours and finishes available.](#)

[Please note you will be redirected to the manufactures site to complete a purchase](#)

3. KeepKey - Another hardware wallet device for storing bitcoins. Although, it is not portable enough it works like other hardware wallets. Introduced more recently then others with promises to offer more feature in the future.



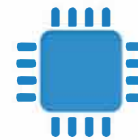
WALLETS



SOFTWARE



PAPER



HARDWARE



SECURITY



How can I secure my wallet?

Cryptocurrencies may be virtual but you now know you still need a wallet to store them. It is important you know that a wallet has two "sides".
What do we mean by two sides?

1. The public side for receiving payments also known as public key/address. This address is given out to receive i.e. bitcoins or other types of coins from other users. The public key is a long version of your main wallet address.
Eg bc1qar0srrr7xfkvy5l643lydnw9re59gtzwwf5mdq



2. The private side for you to store or move your bitcoins. (The same applies for other coins known as alt coins) This particular side is also known as the private key. Private keys are mathematically linked and related to Bitcoin addresses (also known as public key) generated for the wallet and they are of this format.
E9883D79C6D87DC0FB6A5778633389F4453213303DA61F20BD67FC233AA32567 (64 characters) This address should be kept secret for your own personal use. Third party access to this key risks losing your coins. Anyone can steal your coins once they have access to your private key.





Hardware Wallets



Ledger Wallet

The most advanced
security product on the market

Ledger Nano S



BUY NOW

SETUP

Ledger Nano X



BUY NOW

SETUP

Ledger Blue



BUY NOW

SETUP

< Back

Next >



Hardware Wallets



TREZOR

Powerful, high tech, secure
and reliable

Trezor One



BUY NOW

SETUP 

Model T



BUY NOW

SETUP 

< Back

Next >



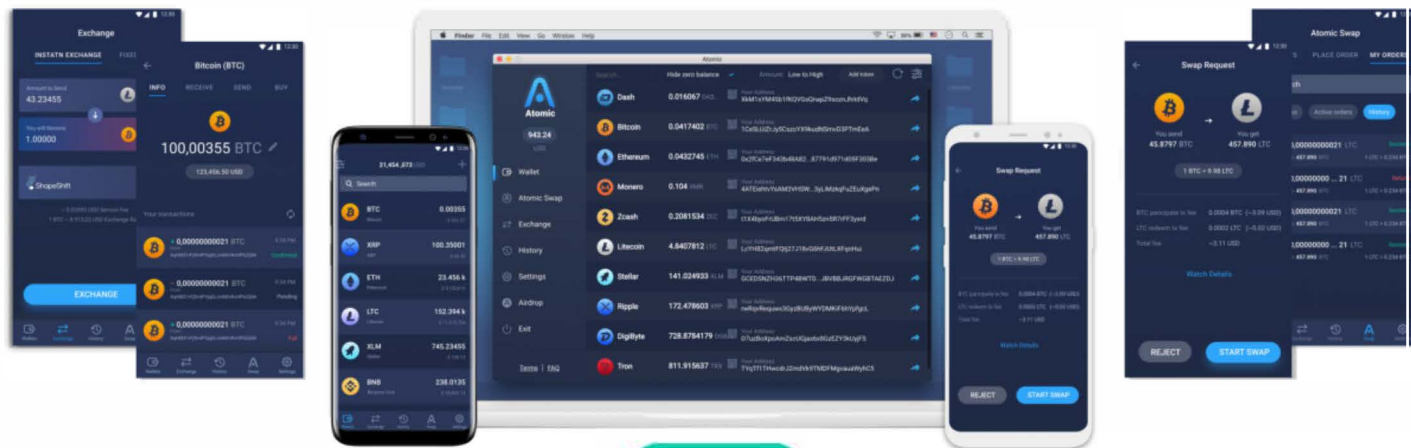
SOFTWARE WALLETS



Download a free wallet App
Available on Desktop or Mobile



Next Generation Storage, Free
Hold 100s Of Currencies



DOWNLOAD

< Back

Next >

Understand The Dynamics Of Research, Investing & Markets

Information from experience. key tips plus facts for a better perspective

EXPLORE



Key Facts

[Back](#)

Next >



Anyone can start investing or trading. My interest in investing grew from helping others, looking for ways to contribute. By watching different news, media channels with the intention of keeping up with affairs around the world to understand various situations and the overall dynamics of things to help decide where any input could be used or appreciated the most.

This eventually leads to a better understanding of how money is being circulated and markets overall. Developing an eye for the international economy is good if also deciding to enter forex trading as well as investing into stocks. Same time it helps with building a bigger picture of how things work. To gain more knowledge on markets is straight forward however can be time consuming and comes with experience. Research the news, events and try to understand cultures of different nations since it can give an insight towards their attitude and behavior. Essentially people are influencing the markets. Learning the nature and how it all fits together is a recipe for success.

' The answers are always there we just have to find it, Ask the right questions '

Lets look at developing nations. It's obvious to see this is where majority of investments have been going. Eventually you will realize how things work. For example to build schools in rural areas we first need infrastructure to support it such as roads, houses, water, electricity supply etc Our ideas maybe great but not practical, is it wiser to create our own or follow a plan or agenda being carried out by bigger groups and organizations which could lead to you applying what you wish.



As investors we can also develop a passion for helping others whether for personal reasons or with intentions of seeing a project succeed. For me it's second nature. This trait can lead to starting a businesses, which is also a great investment once your knowledge of markets develops. A combination of perspective and experience. Lets also look at how searching through patent directories can give great clues on where to invest. This is were we come across allot of information on what's going on behind the scenes. It's good to know what establishments are working on and preparing for. Sometimes finding a patent could be a missing link to your research. it's just another ingredient to add to your perfect investment recipe.

Familiarize with our surroundings with regards to culture, environment. Sometime an opportunity which were not interested in might be available, as investor remember we have to keep a clear mind for the reasons mentioned, taking a diplomatic approach. If we limit our way of life and mentality it will only limit our opportunities made available. As a serious investor their is allot of work involved. Which as mentioned in other topics must be approached carefully not allowing our emotions to dictate our actions. Once again, Maintaining a clear mind , balanced life is essential to always have a view of the big picture.

When investing spreading investments over different assets helps. Remember we also have valuable metals, gold, silver, land and other commodities to invest in. Were moving into electric cars, electricity storage. Resources required to produce them will prove to be valuable in coming years. Maybe organization within the Optometry sector will profit too as devices with brighter lighting are increasing due to resolution, possibly leading to an increase in prescription glasses and lens. Worth mentioning as some benefit some will not unfortunately so invest wisely and know when to sell. Hopefully you find information i am sharing helpful on your journey. It's all from first hand experience



Looking at our history as well as current affairs, interests etc helps contribute to a better overall perspective. Gaining knowledge on our past learning how allies from previous conflicts many years ago are still working together. Remember many generations have been investing prior and should be taken into account. It's only normal for some to try and promote things towards their own interest. In a few years successful investors of this generation will likely be following the same path, it's our nature. So not worth pointing fingers when investing and worth spending that time analyzing facts, figures from past and present using what we know to our favor and working with it.

Look at population figures in an area, country etc along with other data gathered to paint a better image. The figures are all available if you need them .

Practice makes perfect. with experience you soon develop an eye for things similar to anything else you invest your time in. The amount of effort and time you invest in researching etc will reflect on your position. So in reality investing in stocks, markets and making gains are options which are available to anyone. Be positive and remember knowledge is power so keep learning

Most governing bodies seem to be working towards common goals such as increasing overall welfare and stability of participating nations, security plus more. Get to know the dynamics of the world we live and how it works, Looking at history at the same time gives us a better idea. Familiarizing with the past allows us to see our future clearer.



Over the last few years we have had an increase in services such as brokers, exchanges available on desktop and mobile devices. Allowing anyone with knowledge to enter. As we can see that the knowledge or information is their if we want it. Keep in mind the dynamics of investing have also changed significantly. Most trends, calculations we speak of are now common knowledge. Same time the news and data we come across is mostly digital and available to anyone.

‘What we know the market knows’

Prices for stocks, crypto etc could lower as predicted, maybe for longer then expected or perhaps the exact opposite. Most are promoting their interests to secure their own investment which makes finding unbiased reliable information challenging to the untrained however it's really simple. As mentioned what we know so does the market so approach it wisely. Essentially money is simply being transferred, what makes it interesting is finding out where it's going. Hope you find this information useful on your journey.

We also have natural events which are out of our control, to an extent. These can obviously effect markets, Floods, droughts etc However remember we can also profit from such events if approaching wisely. Lets not forget, we live on a moving rock, surrounded by other moving rocks suspended in an unknown space which aren't interested in markets. Fortunately we have experts, advisors, regulators and speculators for various markets via different media channels making it slightly easier. Digging deeper into anything were interested in the end is left up to the investors. Just to make it more interesting we also have to consider competitors in markets so the extra work is their if interested



Investing is similar to solving a puzzle. Media, marketing space is becoming more competitive and only so much can be mentioned by mainstream media etc As described earlier most of these are supported by a few groups which generally promote their own interests first. Some agree and disagree with the practice.

As explained our understanding and experience of markets coupled with graphs and charts can improve our chances, in terms of knowing when to buy, sell or hold. In crypto currency the word Hodl is used to describe an investor holding assets for a long period. Reading graphs, charts to calculate trends and patterns to make better predictions is a subject which should be covered in depth. Especially if interested in day trading to profit from the daily swings in prices. There is an abundance of information online to help. Trading is very risky and investors must approach it wisely.

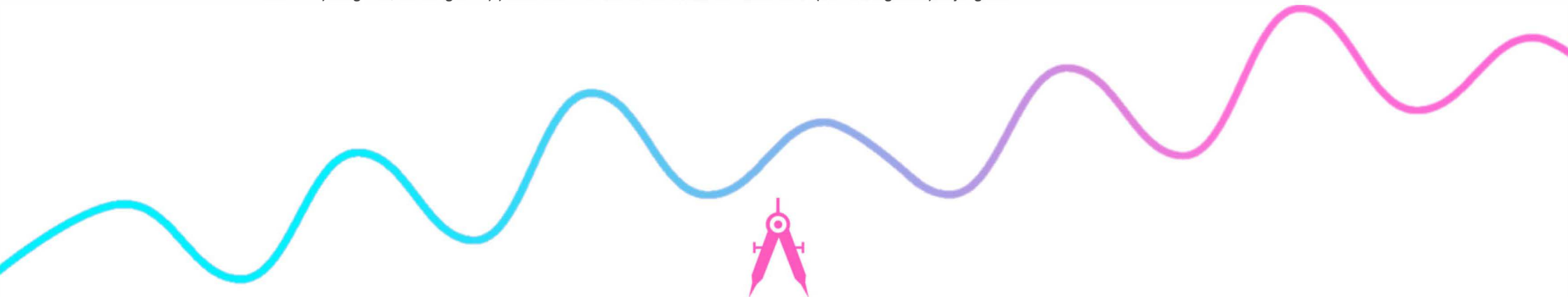
The crypto currency market prices can fluctuate due to the technology being fairly new with the market maturing. As we see more use world wide we can expect stability. The price swings are not easy to predict even for experienced investors and so charts might not be much use at the moment since most techniques have been inherited from stock and forex markets. As time progresses we can expect more techniques to develop around the crypto market instead of using techniques used in traditional markets

As you can see experience is really the key here. Developing an eye and understanding for most markets in different countries and how they all interact with each other to gain an overall perspective before narrowing down. By sharing my experience and knowledge you will have a better position moving forward. Hope you find the information useful



Finding a crypto project worth investing in is a task which needs to be carried out with attention to detail. If we come across a project of interest we should first understand their white paper and road map to build an image of the product or service and it's future. The next few steps involve researching the team involved. Try to figure out if the key members and advisors are good enough to deliver their targets for the project looking at their previous experience, skills Etc. in relation to the project. Verify their credentials to be safe till you are comfortable moving forward. Using your information gathered from the company with your knowledge of the market will help decide whether to invest or not. We must also use figures to determine the market size, room for growth, competitors and more.

The information and tools are available for anyone with basic resources to access. It can be time consuming and overwhelming at first due to the amount of information which needs to be absorbed however rest assured it's simply a matter of familiarizing with, you might look back at wonder why you didn't start sooner. As with everything else, as time goes by you skills to extract and locate information will improve along with you judgment



The best teacher we have in life is ourselves. Only we are aware of our limits and capabilities so set realistic targets. Following others strategies or plans when it comes to investing or trading can be tempting however you also gain their bad habits and help them increase value for their investments.

Discover your own strengths, weaknesses and how you plan to address them. Know your limits and set yourself realistic targets starting small and building up with experience, if done correctly it will happen naturally. Try not to give anyone else the responsibility as you risk not developing your own understanding and will become dependent on others. With any sort of investment who you know can be more important however if following someone online or with no history about them approach with caution. At the end the risk is always your own and research will always be up to you. As mentioned the information is their if we need it.

Learn to control emotions since they can dictate our actions and when it comes to investing or trading it's very important to set goals and targets which are followed through. Temptation can lead to buying when prices are high or selling when low or vice versa distorting your judgment. Staying focused, keeping an open mind whilst carrying out your day to day activities. We soon discover a pattern. A healthy lifestyle equals a healthy and clear mind resulting in better decisions.

Similar to anything else we invest our energy and time into, research planning is required reflecting on our overall position. My hopes are to help you on your journey by providing you the basics as well as sharing personal views on how to understand markets and discover their true potential all from personal experience.

[< Back](#)[Next >](#)



Key Facts

1

Not much will change with our way of lives with regards to payments, data storage since most of the methods we use now are digital

2

Bitcoin cannot be shut down since there is no centralized facility, HQ, Office etc. No one person owns it or controls it making it a valuable digital asset in our current digital society

3

Miners on the Bitcoin network verify the transactions and assign them to a block after which they are permanently on the block chain as more blocks are placed behind making their funds secured permanently, giving the account holder complete control

4

We are currently in a transition to becoming a digital society - From research all developed countries deal with electronic funds for day to day expenditures. Developing countries are all following the same path due to the increased efficiency in digital platforms whether it be for payments, storage, security just to name a few out of many uses.

5

Bitcoin etc and our current monetary system are both digital, technically both 0s and 1s in our banks or when traded. What makes Bitcoin unique is the fact it has a limited supply and cannot be created out of thin air.

6

The research is really up to you and this is where we come in. The news can be misleading to the general public who aren't aware of other potentials and so overall research is required before making any assumptions similar to anything else in life you invest your time in.

7

Bitcoin is decentralized. Our current system for fiat is a centralized system meaning our account balances, transaction records, data etc are all stored on a centralized system or database. With Bitcoin the accounts known as blocks are stored on the block chain network and are all connected over 1000s of computers world wide giving no single person or group control, equally distributing its processing and operating needs.

8

Most financial institutions as well as established companies have incorporated the block chain technology into some aspect of their business which is further validation and confirms much more is going on behind the scenes

9

Further to this statement, the bank notes we use everyday were initially printed on a paper with a unique blend of cotton and other materials. To reduce costs we have now moved to using plastic based paper for printing currency which leads us to assume it's losing its physical value as it could eventually be replaced. Fiat currency otherwise known as our current system of Pounds, Dollars, Yen and so on are also digital currencies. These aren't backed by anything other than promises made by the regulators. They also carry the authority to print as much as they wish into circulation.

For more facts visit
www.abitofcrypto.com

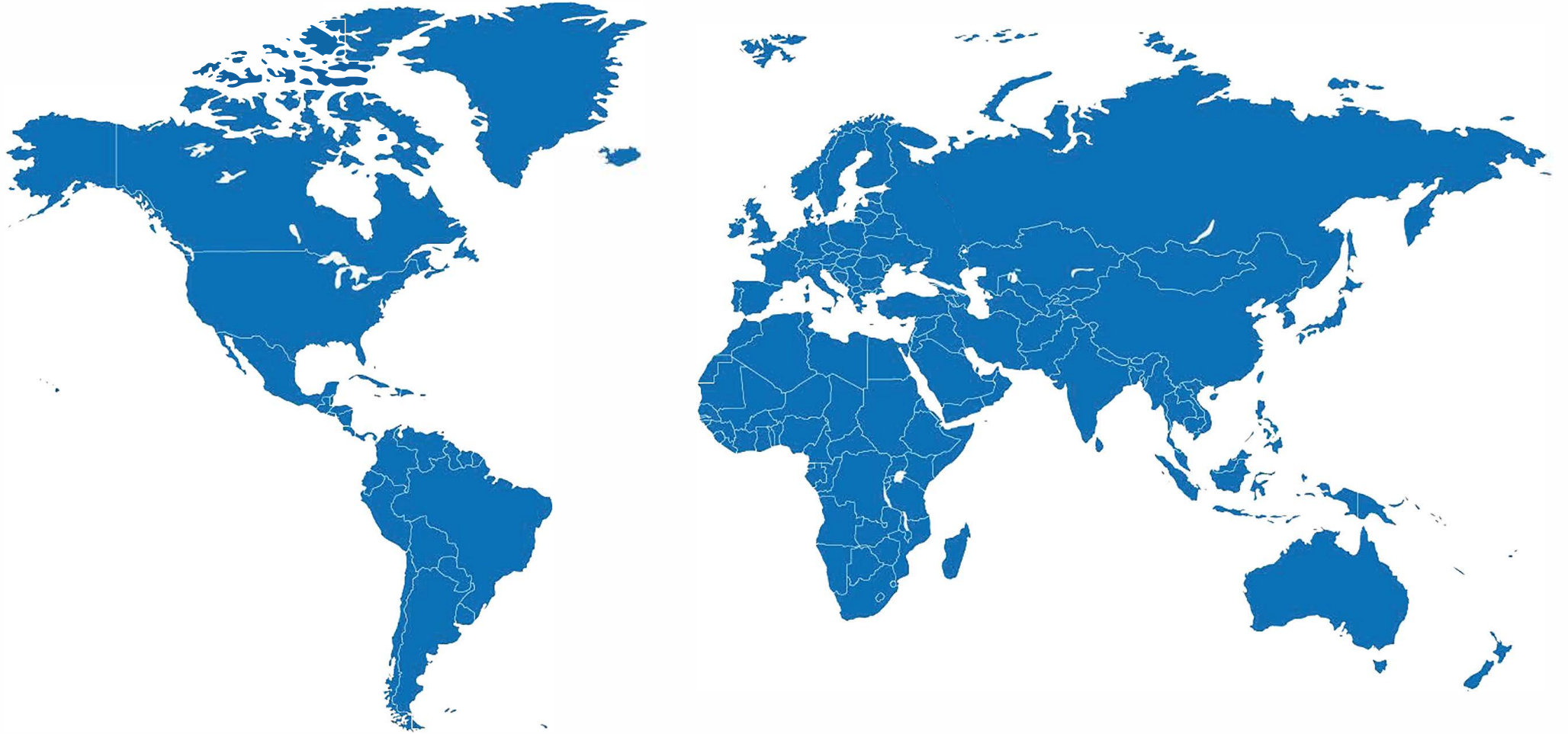
< Back

Next >



Buy Bitcoin & Crypto

Select Your Location Below



< Back

Next >



North America

Bitcoin Exchanges In Your Area



Crypto Exchanges In Your Area



< Back

Next >



South America

Bitcoin Exchanges In Your Area









Crypto Exchanges In Your Area









< Back

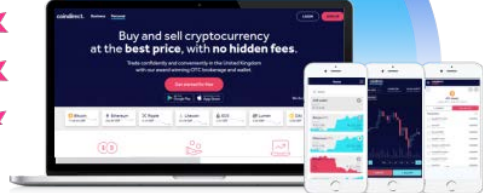
Next >

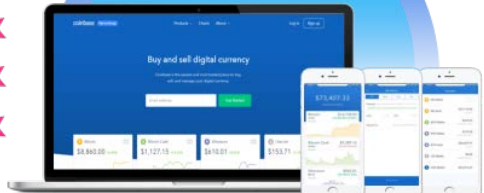


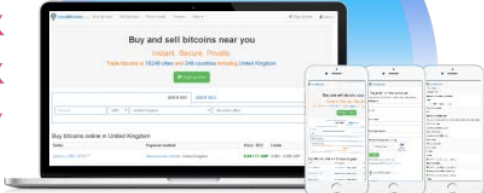
Africa

Bitcoin Exchanges In Your Area









Crypto Exchanges In Your Area









< Back

Next >



Europe

Bitcoin Exchanges In Your Area



Crypto Exchanges In Your Area



< Back

Next >



Asia

Bitcoin Exchanges In Your Area



Crypto Exchanges In Your Area



< Back

Next >



Australia

Bitcoin Exchanges In Your Area



Crypto Exchanges In Your Area



< Back

Next >



Tutorials Created For Wallets, Brokers & Exchanges

Step by step guides on setting up an account, storage, security plus more

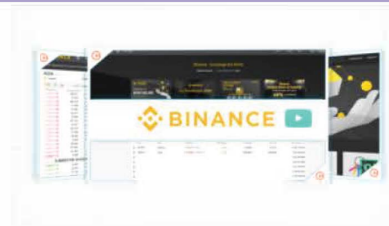
PICK A VIDEO



Guide on how to Register, Deposit, Withdraw, Buy, Sell & Trade Crypto
Brokers - Buy using your currency of choice



Exchanges - Trade your Cryptocurrency for other coins



Learn About Different Wallet, Storage Options & How To Setup
Hardware Wallets - Specifications & setup guide



Ledger Nano X



Ledger Nano S



Trezor One



Trezor Model T

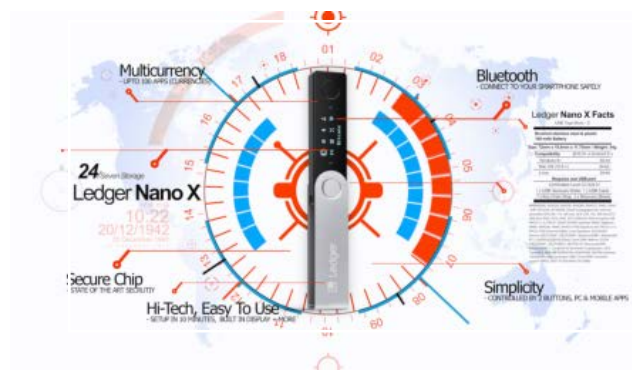


< Back

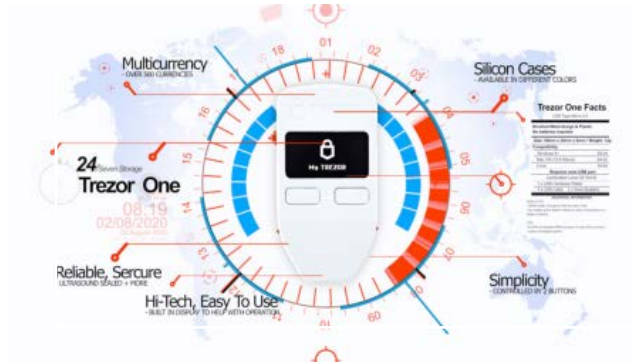
Next >



Select A Wallet Guide



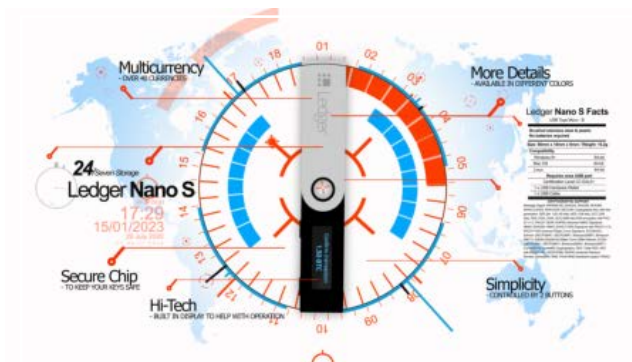
Ledger Nano X



Trezor One



Trezor Model T



Ledger Nano S



< Back

Next >



' Join us on Facebook for upto date news, offers plus more '

<http://www.facebook.com/abitoncrypto>

<http://www.abitofcrypto.com/>

< Back

Next >

< Back

Next >