

DigiByte Blockchain

A blockchain¹ is a digitized, decentralized, public ledger of all cryptocurrency transactions. Constantly growing as ‘completed’ blocks (the most recent transactions) are recorded and added to it in chronological order, it allows market participants to keep track of digital currency transactions without central record keeping. Each node (a computer connected to the network) gets a copy of the blockchain, which is downloaded automatically². A blockchain is implemented by three technologies: private key cryptography, distributed peer-to-peer networks with shared ledgers, and protocols for performing transactions as well as ensuring security and record-keeping.

Blockchain bring numerous benefits as decentralization, immutability, high availability, highly secure, simplification of current paradigms, faster dealings, cost saving transparency, trust³ eliminates counterparty risks, and is able to withstand malicious attacks. Several blockchain characteristics is,

Peer-to-peer	No central authority needed to store, validate, or govern. The network does it decentralized
Trusted	Every node can verify that a transaction exists, is valid, able to take place, and become final.
Anonymous	A private key is linked to an unique identifier. It's calculated from the private key, but the same can not be done in reverse
Irreversible	A single transaction can not be reversed/erased. That would be a transaction of its own.
Secure	The ledger (Blockchain-Database) can as of today not be re-written with reasonable effort

Implementing Blockchain in Business

As Enterprises across industries begin to adopt blockchain technology into their everyday processes, use cases will expand exponentially. While blockchain use cases are exciting to explore and research, it's important to point out the gap between potential and tangibility of implementation. Blockchain technology also empowers its users, offering them control over their transactions and data while reducing the clutter and complications of adding operations to a single public ledger⁴.

 Time & cost efficiency	 Security	 Transparency	 Records keeping	 Fraud reduction	 Smart contracts	 Privacy	 Decentralization
BANKING 	 Reduced transaction costs and settlement time	 Improved transactions security and data quality		GOVERNANCE 	 Reducing corruption at state level	 More opportunities for businesses to manage their assets	
PREDICTION MARKETS 	 Low fees	 Safe automated payment		SUPPLY MANAGEMENT & RETAIL 	 Proof of ownership & resale	 Transparency in logistics, storing & real-time tracking each stage	 Increased trust due & information evidence
INSURANCE 	 Eliminating the cost and time of processing insurance claims	 Transparency and relevant records keeping		CAR LEASING 	 Reducing time for procurement process	 Simplified leasing process	 Blockchain as the foundation for smart assets
HEALTHCARE 	 Reduced time and increased efficiency in providing insurance quotes	 Tamper-resistant means of storing medical history		EDUCATION 	 Eliminating claims of un-earned educational credits	 Improved verification procedures	 Objectively recognized credentials & records
LAW ENFORCEMENT 	 Automation of contract performance, smart contracts	 Near-instant money transfer		RIDESHARING 	 Direct connection between drivers and riders	 Drivers can build own businesses & set up own rates	
ENERGY MANAGEMENT 	 Reduced transaction costs and settlement time	 Improved transactions security and data quality		CHARITY 	 Transparency of transactions & publicly shared financial reports		
REAL ESTATE 	 No intermediaries leads to reducing costs	 Records transparency & fraud prevention		LUXURY 	 Reducing risk, theft, trafficking & fraud	 Protect the provenance of high-value assets	
DIGITAL IDENTITY 	 Signing smart contracts by unique ID	 Reliable verification systems		INTERNET OF THINGS 	 Protecting devices interactions information & preventing attacks	 Protection against data tampering & trusted data exchange	
	 Fraud protection			HR MANAGEMENT 	 Accelerating recruitment process	 Access to verified candidate's records: education, employment, training	 Smart job contracts & decentralized payments

Benefits of blockchain technology⁴

<i>Financial services</i>	<ul style="list-style-type: none"> • Reduced costs • Shorter settlement times • Easier auditing • Better security • Improved data quality
<i>Prediction Markets</i>	<ul style="list-style-type: none"> • Accurate forecasting • Low fees • Crowdsourced reporting • Safe, automated payments
<i>Insurance</i>	<ul style="list-style-type: none"> • Transparency and relevant record keeping • Reduced opportunities for insurance fraud • Reduced cost and time of processing insurance claims • Improved customer engagement
<i>Healthcare</i>	<ul style="list-style-type: none"> • Complete medical histories of patients for use by physicians • Tamper-resistant means of storing medical histories • Reduced time and increased efficiency in providing quotes
<i>Law Enforcement</i>	<ul style="list-style-type: none"> • Near-instant money transfer • Automation of contract performance and smart contracts • Land registry and deed management • Intellectual property rights • Recording and maintaining property ownership and public records
<i>Energy Management</i>	<ul style="list-style-type: none"> • Eliminates intermediaries and decentralizes systems • Promotes alternative energy sources and shared energy
<i>Real Estate</i>	<ul style="list-style-type: none"> • Increased transparency in all the records • No third parties, and therefore reduced cost • Automated payments to property investors • Prevention of fraud • Smart contracts
<i>Digital Identity</i>	<ul style="list-style-type: none"> • Additional security and privacy • Reliable verification systems • Smart contracts can be signed by unique ID • Prevention of fraud
<i>Public and Corporate Governance</i>	<ul style="list-style-type: none"> • Eliminate government/third party involvement • Reduce corruption at the state level • Secure assets and assure data privacy

<i>Internet of Things</i>	<ul style="list-style-type: none"> • More opportunities for companies to manage their assets • Enable transparent, fast, cost-efficient transactions • Better security and protection against data tampering • Privacy techniques protect information about device interactions • Trusted data exchange • Optimization and automation of business processes through IoT • Autonomous functioning of smart devices
<i>Car Leasing</i>	<ul style="list-style-type: none"> • Simplified leasing process • Blockchain as the foundation for smart assets • Significantly reducing time for procurement
<i>Education</i>	<ul style="list-style-type: none"> • Improved verification procedures • Reduction of fraudulent claims of unearned educational credits • Transparent data storage • Objective and universally recognized credentials and records
<i>Human Resources Management</i>	<ul style="list-style-type: none"> • Individuals get control over their data • HR professionals get access to verified candidate records • Accelerates the recruitment process • Smart job contracts and decentralized payments
<i>Ridesharing</i>	<ul style="list-style-type: none"> • Ability to build a network of professional drivers • Direct connection between drivers and riders • No restrictions on rates • Transparency of customer base
<i>Supply Chain Management & Retail</i>	<ul style="list-style-type: none"> • Transparency in logistics, ability to store and track all data • Proof of ownership and resale • Better tracking of buying habits • Increased trust due to decentralization
<i>Luxury: Diamonds, Arts & Metals</i>	<ul style="list-style-type: none"> • Ensures transparency and authenticity in the goods • Protects the provenance of high-value assets • Re-establishes trust in global trading marketplaces • Reduces risk, theft, trafficking, and fraud
<i>Charity</i>	<ul style="list-style-type: none"> • Transparency of transactions • Publicly shared financial reports

DigiByte⁵ is a public, rapidly growing and highly decentralized blockchain. Given the incredible opportunity for decentralization, DigiByte blockchain technology offers the ability to create businesses and operations that are both flexible and secure. DigiBytes are digital assets that can not be destroyed, counterfeited or hacked, making them ideal for protecting objects of value like currency, information, property or important digital data. DigiBytes can be sent over the DigiByte Blockchain and forever recorded on an immutable public ledger that is decentralized on thousands of computers across the planet.

DigiByte Technical Specifications⁶

<i>Launch Date</i>	January 10th, 2014
<i>Blockchain Type</i>	Public, Decentralized, UTXO based, Multi-Algorithm, Symbol: DGB
<i>Genesis Block Hash</i>	"USA Today: 10/Jan/2014, Target: Data stolen from up to 110M customers" ⁷
<i>Max Total Supply</i>	21 Bilions DigiBytes in 21 Years (2035)
<i>Block Reward Reduction</i>	1% Monthly
<i>Mining Algorithms</i>	Sha256, Scrypt, Groestl, Skein & Qubit
<i>Block Timing</i>	15 Second Blocks, (1.5 Minutes per algo)
<i>Difficulty Retarget</i>	Every 1 Block, 5 Separate Difficulties, 1 For Each Mining Algo
<i>SegWit Support</i>	Yes (April 2017)
<i>Hardforks</i>	DigiShield, MultiAlgo, MultiShield, DigiSpeed
<i>Softforks</i>	SegWit, CSV, NversionBips
<i>Current Supply</i>	10,429,878,045 (June/23/2018) ⁸

A UTXO is an unspent transaction output. In an accepted transaction in a valid blockchain payment system (such as Bitcoin, Litecoin and DigiByte), only unspent outputs can be used as inputs to a transaction. When a transaction takes place, inputs are deleted and outputs are created as new UTXOs that may then be consumed in future transactions⁹. In the DigiByte network, which uses this model, a UTXO is the amount that is transferred to a DigiByte address (along with information required to unlock the output amount*) during a transaction. Received amounts (UTXOs) are used individually during a transaction and new outputs are created – one for the receiver and, if

applicable, one for the amount that is left over (change output). The amount sent to the recipient becomes a new UTXO in the recipient’s address while the change output becomes a new UTXO in the sender’s address that may be used in a future transaction⁷.

Difficulty adjustments protect a blockchain from several forms of malicious attacks. DigiShield re-targets a coin’s difficulty to protect against multi-pools and an over-inflation of easily mined new coins. DigiShield was originally developed for DigiByte, but has been implemented into Dogecoin¹⁰, Zcash¹¹, Ubiq^{12,13}, Monacoin¹⁴, Bitcoin gold¹⁵, and many altcoin in the world. DigiShield re-targets a coin’s difficulty between every block or in the case of DigiByte & Dogecoin, every 60 seconds.

DigiShield Hardfork	Block 67.200, Feb. 28th, 2014
MultiAlgo Hardfork	Block 145.000, Sep. 1st 2014
MultiShield Hardfork	Block 400.000, Dec. 10th 2014
DigiSpeed Hardfork	Block 1.430.000 Dec. 4th 2015

MultiAlgo mining for more fair distribution, with 5 unique algos & independent difficulties a 51% attack is significantly mitigated and becomes much harder to carry out. Speed block timing up to 30 seconds¹⁶. MultiShield is the advanced version of the original DigiShield, asymmetric difficulty adjustment now widely implemented in many other blockchains. It helps with the prevention of a 51% attack, it’s significantly more secure than a single-algo coin by requiring somebody to control 93% hashrate on 1 algo, and 51% on the remaining 4 algorithms.

DigiSpeed will allow DigiByte to match Visa in transaction carrying capacity. DigiByte block timing will increase from 30 seconds to 15 seconds. DigiByte block size has increased from 1 MB to 10 MB initially, with built in future increases. Custom block propagation code based upon Microsoft research will dramatically increase network efficiency. DigiByte transaction capacity has increased from 140 TPS to 560 TPS. DigiByte reward will stay on track for 21 Billion DGB in 21 Years¹⁷.

Is DigiByte Secure?

The DigiByte blockchain is spread over a 200,000+ servers, computers, phones, and nodes worldwide. DigiByte uses five secure and advanced cryptographic mining algorithms to prevent mining centralization compared to single algorithm blockchains. Each algo averages out to mine 20% of new blocks. This allows for much greater decentralization than other blockchains. In order for an attacker to hardfork DigiByte the attacker would need to control 93% of the hashrate on 1 algo, and 51% of the other 4 making DigiByte much more secure against PoW attacks than other blockchains.

The DigiByte blockchain is the most innovative part of the DigiByte Ecosystem providing the network infrastructure, security and communications to function with cutting edge high-speed. The Three DigiByte Blockchain Layers is *Applications Layer*, *Digital Asset / Public Ledger Layer (Think Security)*, *Core Communications Protocol / Global Network Layer*⁵.

1. Applications Layer	
<i>DAPPS (Decentralized Apps)</i>	Decentralized applications built on top of the DigiByte blockchain
<i>Digi-Apps</i>	Centralized applications built on top of the DigiByte blockchain.
<i>Smart Contracts</i>	Smart contracts that leverage the rigidity and security of the DigiByte blockchain
2. Digital Asset / Public Ledger Layer	
<i>Digital Assets: DigiBytes</i>	A digital byte of data, a representation of larger data or a unit that holds value, and cannot be counterfeited, duplicated or hacked. DigiBytes can be used to secure value for many things.
<i>Immutable Public Ledger</i>	An immutable public ledger where all transactions of DigiBytes are recorded
<i>Mining Security</i>	DigiByte uses five separate mining algorithms for security. New DigiBytes come from mining.

3. Core Protocol / Global Network Layer

<i>Core Communications Protocol</i>	A very low-level way nodes on the DigiByte global network communicate.
<i>Global Network</i>	Thousands of people running DigiByte software all across the planet.
<i>Decentralized Nodes</i>	Any server, computer or mobile phone connected to the DigiByte network becomes a node that helps relay transactions.

Is DigiByte Faster?

DigiByte has the fastest block speed of any public UTXO blockchain in the world today with 15 second block timings⁶. DigiByte transactions, unlike other transactions on other blockchains, are limited in size and scope to increase speed, efficiency, and throughput. Most importantly this maintains security. DigiByte has introduced special code that doubles block size every two years to scale the amount of transactions the network can handle well into the year 2035. Additional work is underway to further increase transaction speed and network capacity: 280 Transactions Per Second (Year 2016), 560 TPS (Year 2017), 1,120 TPS (Year 2019), 2,240 TPS (Year 2021), 280,000+ TPS (Year 2035)⁶. Segregated witness allows for several innovations to occur on top of the DigiByte blockchain such as cross chain transactions and single confirmation transactions.

Is DigiByte Forward Thinking?

DigiByte Blockchain technology can be leveraged and applied to applications, fixing 90% of the most common vulnerabilities affecting the internet today. The future of DigiByte includes the focus of applying DigiByte security to IOT devices and services that require robust communications. By combining advancements in DigiByte Blockchain technology with artificial intelligence, we are exploring new innovations in automation and data analysis⁵.

What makes DigiByte Different?

The DigiByte Blockchain is perfectly positioned towards building a secure and decentralized digital future with its unique combination of problem solving experience, pioneering new innovations and resilience through 4 full-time years of development⁵.

<i>Tried & Tested Technology</i>	The DigiByte blockchain has been battle-hardened and tested for over 4 years now, based on the most proven blockchain technology.
<i>Industry Leading Transaction Speeds</i>	With quicker confirmation times, DigiByte transactions are one of the fastest ways to send value using a blockchain.
<i>Not An ICO</i>	DigiByte has never been funded through an ICO, presale or token sale, nor is there a private company controlling the DigiByte Blockchain in line with our vision for a decentralized digital future.
<i>Multi Algorithm Mining</i>	DigiByte was one of the first and currently active blockchains to hard fork from a single mining algorithm to 5 mining algorithms
<i>Use Cases Nominated in Public Competitions</i>	DigiByte technology has been presented to governments, corporations and banks to emphasize the benefits of a decentralized future.
<i>Manageable Units</i>	While limited in total number, DigiBytes are much more available than other blockchains units. A total of 21 billion DigiByte will be created within 21 years, with each DigiByte being divisible to 8 decimal places.
<i>Early To Implement Industry Critical Features</i>	DigiByte development has shown industry-leading firsts over the last four years including Digishield, MultiAlgo, MultiShield and SegWit. This attribute will remain a focus in all future development.
<i>World's Longest Major Blockchain</i>	Growing to 6 million blocks, the DigiByte blockchain has encountered and overcome scalability issues not yet seen by most other major blockchains. These innovations will continue into ongoing development.
<i>Large Community</i>	DigiByte has one of the largest, most engaged and decentralized community in today's blockchain space, adding new users every day.
<i>Successful Trials on Decentralized Exchanges</i>	DigiByte has been successfully traded on decentralized exchanges as a key step towards a decentralized digital future.
<i>More Resistant to Hacking Control</i>	DigiByte security is far more resilient to a 51% attack than other leading blockchains, making it an ideal asset for protecting valuable data.

<i>Full-time Founder</i>	Jared Tate created and dedicated full-time development towards DigiByte since becoming one of the few blockchain founders who went public in 2014
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Founder of DigiByte is Jared Tate¹⁸, he has experience in software development and blockchain technology platforms since 2012. Jared Tate often attends financial technology conferences as participants or speakers some of them are *CryptoCurrency Convention* (2014)¹⁹, *Blockchain & Bitcoin Africa Conferences* (2016)²⁰, *FinDEVr NY* (2016)²¹, *Finovate Spring* (2016)²², *Collision Conference* (2016)²³, *Credit Suisse* (2016)²⁴, *Rise Conferences* (2016)^{25,26}, *Citi bank Tech 4 integrity challenge* (2017)^{27,28}, *Texas Bitcoin Conference* (2017)^{29,30}, *MIT Bitcoin Expo* (2018)³¹, *MIT Blockchain Club* (2018)³², *Digital Currency Con* (2018)³³ and events or some meetings that have been done and will do in the future.

Jared Tate set up *DigiByte Foundation*³⁴ by the end of 2017. The DigiByte Foundation is an unincorporated, decentralized community dedicated to supporting the DigiByte global blockchain through three pillars: education, outreach, and development. Development Projects supported by The DigiByte Foundation is³⁴,

<i>DigiByte Platform Projects</i>	
<u>DigiByte DigiHash</u>	The official mining pool of the DigiByte Foundation. Mine here to contribute to the foundation.
<u>DigiByte Digi-ID</u>	An innovative platform to use the DigiByte Blockchain for authentication. A replacement for passwords and 2FA.
<u>DigiByte Playground</u>	An interactive javascript sandbox for developers to learn how to build on top of DigiByte
<i>DigiByte Emma A.I.</i>	Meet Emma, DigiBytes very own artificial intelligence assistant. Ask her anything about DigiByte. She learns more every day.
<i>DigiByte DigiMan</i>	An innovative web browser being built to utilize many aspects of the security of the DigiByte Blockchain.
<i>DigiByte DigiSeeder</i>	A background seeding service to make sure all wallets rapidly find other peers on the network.
<i>DigiByte DigiMessenger</i>	An innovative and secure messaging app built on top of DigiByte that is being prototyped.
<u>DigiByte Easy Miner</u>	And easy miner for beginners to begin mining DigiByte.
<i>DigiByte DigiBot</i>	A Telegram bot for users to interact with DigiByte and much more.

DigiByte Foundation Core Initiatives³⁴

Websites

DigiByte.io
 DigiByteFoundation.org
 DigiExplorer.info
 DigiHash.co
 DigiByteNetwork.com

Events

Annual Conference
 Local Hackathons
 Local Meetups/ Regional Meetups
 Video Interviews and Roundtables

Core Protocol

Algo Swap
 Artificial Block Intelligence
 Atomic Swaps ✓
 Crypto Swap
 DigiByte Core Protocol v6.16.5 ✓
 DigiByte Core v7.1.0
 Scalability Enhancements
 Speed Enhancements

Wallets

Android Wallet ✓
 DigiByte Go ✓
 Linux Wallet ✓
 OS X Wallet ✓
 Windows Wallet ✓

Explorer

Altexplorer.co/coin/dgb
 chainz.cryptoid.info/dgb
 digiexplorer.info
 explorer-2.us.digibyteservers.io
 Prohashing.com/explorer/digibyte

Market Analysis

[Applestocks](#)
[Blockfolio](#)
[Coincheckup](#)
[Coingecko](#)
[Coinmarketcap](#)
[Cryptocompare](#)
[Cryptovest](#)
[Finance yahoo](#)

[Onchainfx](#)
[Worldcoinindex](#)

DigiByte has been used in many countries and a rapidly growing four year old decentralized global blockchain with a focus on cyber security, payments & secure communications technologies. DigiByte focuses on advanced scalability; high speed multi-algorithm mining, innovative FinTech applications and technology, and powering blockchain enabled global IoT devices. DigiByte has the world's most transparent and professional decentralized ledger, used by many industries, Altcoin debit cards, payment/ store, Dapps³⁵. This provides great confidence in building trust, transparency and security in world trade markets.

UseCases	Integration	Detail
<i>Digusign</i>		Enables users to securely store and validate documents on a blockchain across a number of applications including healthcare, the public sector, trade and financial services.
<i>Digi-ID</i>	AutumID	AutumID is a platform with which you can quickly and FREE create an online account based on your eID. A personal and unique internet code to prove your authenticity as a person.
	V-ID	Uses blockchain technology to end all document fraud. The V-ID validation service allows organizations to validate the identity of their documents in a worldwide decentralized blockchain. Those documents can then be verified, so recipients know that the content of the document is unaltered and exactly as originally published

Mining pools

Coin foundry	Sha-256
Digihash	Sha-256, Scrypt, Skein, Qubit, Groestl
Miners Pool	Qubit, Skein
Mining Pool Hub	Skein, Qubit, Groestl
Multipool	Sha-256, Scrypt
Suprnova	Qubit, Groestl
The Blocks Factory	Sha-256, Scrypt, Skein, Qubit, Groestl
The Coin	Sha-256

Payment gateway

Airportparking ³⁶	Give people the top airport parking options at a fraction of the cost.
Bitbill ³⁷	Pay all bills easy and fast with cryptocurrencies
Coin2001	Accept payment bitcoin and altcoins in simple, safe and efficient way, the purchase is converted into Reais and immediately after confirmation
Coingate ³⁸	Merchants payment gateway for cryptocurrencies
Coinify ³⁹	Add alternative payment options and give customers the possibility to pay in 1\5 different blockchain currencies from most countries in the world. Receive payouts in local currency
Coinpayments ⁴⁰	The first and largest payment processor of cryptocurrencies. Offering plugins for all the popular webcharts use by <i>Magento, WooCommerce, WHMCS, Openchart, Oscommerce, aMember Pro, Arastta, Blesta, Box Billing, Business Directory Plugin (wordpress), Drupal, Easy Digital Downloads, Ecwid, Hikashop, Prestashop, Tomato cart, Ubercart, XCART, Zen cart, Shopify</i>
Kamoney ⁴¹	Pay bills of mobile, water, electric, internet, TV and many other, mobile recharge, receive a direct transfers into bank account in brazil.
MyCryptoCheckout ⁴²	Payment gateway for WooCommerce and Easy Digital Downloads
PayNL ⁴³	The paymen service provider has to ambition to make doing business for you as a merchant a bit easier
Utrust ⁴³	UTRUST eliminates the risk of fraudulent merchants by providing comprehensive buyer protection and acting as a third-party mediator if necessary. All purchases can immediately be converted to fiat, which means you get the payment directly in (e.g.) U.S. Dollars, Euros or in the original cryptocurrency

DigiByte Debit Card

Bitwala	bitwala.com ⁴⁴
Payza	payza.com ⁴⁵
Spectrocoin	spectrocoin.com ⁴⁶
Uquid	uquid.com ⁴⁷
Wirexapp	wirexapp.com ^{48,49}

ATM Machine

[Generalbytes](#) ATM Machine and 41 countries support

DigiByte Wallet

ABRA	3 rd Party, Android wallet
Android Wallet	Mobile wallet
Atomic Wallet	3 rd Party, Windows/macOS/Ubuntu/Debian/Fedora wallet
Coinomi Wallet	3 rd Party, Android/iOS wallet

DigiByte Go Wallet	Chrome Ext Wallet
Edge Wallet	3 rd Party, Android/iOS wallet
Exodus Wallet	3 rd Party, Windows/macOS/Linux wallet
Guarda Wallet	3 rd Party, Webwallet, Android/iOS wallet, Windows/macOS/Linux wallet
iOS Wallet	Mobile wallet
Jaxx Wallet	Mobile wallet
Ledger Hardware	Hardware wallet
Linux Wallet	Desktop wallet
OS X Wallet	Desktop wallet
Satowallet	3 rd Party, Android/iOS wallet
Trezor Hardware	Hardware wallet
Windows Wallet	Desktop wallet

DigiByte available to buy or sell on exchanges⁸ :

No.	Exchanges	Country	Pair	Payment Methods
1	ABRA	California	USD/ALTCOIN	Bank (U.S or PH) , American Express, Bitcoin
2	Alladin	Estonia	BTC/EUR	Bank Transfer, Bitcoin, Altcoin
3	Barterdex		ALTCOIN	Bitcoin, Altcoin
4	Bitbns	India	INR	Bank, Bitcoin, Altcoin
5	Bitbox	Singapore	BTC/ETH	Bitcoin, Altcoin
6	BiteBTC	Singapore	BTC/ETH	Wire Transfer, Visa, Mastercard, Alipay, OKPAY, JCB, Bitcoin, Altcoin
7	Bitexlive	Turkey	BTC/TRY	Bitcoin, Altcoin
8	Bitfeks	Turkey	TRY	Bank Transfer, Papara, Bitcoin, Altcoin
9	Bitit	France	USD/EUR/KRW/JPY/DKK/GBP/SEK/NOK/TRY/AUD/CAD/CNY/HKD/SGD	Maestro, Mastercard, Visa, Trustpay, CASHlib, Neosurf,
10	Bitocto	Indonesia	IDR	Bank Transfers, Bitcoin, Altcoin
11	Bitotal	Netherlands	BTC	Bitcoin, Altcoin
12	Bitprime	New Zealand	USD	Bank Transfer, Bitcoin, Altcoin
13	Bittrex	Washington	BTC/ETH/USDT	Bitcoin, Altcoin
14	Bittylicious	UK	USD/EUR/GBP	SEPA Bank Transfer, Visa, Mastercard, AMEX
15	Bitvavo	Netherlands	EUR	Bank Account,
16	Bit-Z	Hongkong	BTC	Bitcoin, Altcoin
17	Blockbid	Melbourne	AUD/EUR/USD	
18	Blocknet		ALTCOIN	Bitcoin, Altcoin
19	Buyucoin	India	BTC	Bitcoin, Altcoin
20	Carbonel	California	ALTCOIN	Bitcoin, Altcoin

21	Cfinex	Finland	BTC	Bitcoin, Altcoin
22	Changehero		ALTCOIN	Visa, Mastercard, Bitcoin, Altcoin
23	Changelly	Czech Rep.	EUR/USD /ALTCOIN	Mastercard, Visa, Bitcoin, Altcoin
24	ChangeNow		ALTCOIN	Visa, Mastercard, Indacoin, Bitcoin, Altcoin
25	Coin2001	Brazil	BTC	Bitcoin, Altcoin, Credit/Debit Card
26	Coinbrood	UK	EUR	UK Bank Transfer
27	Coindirect	Isle of Man	KES/IDR/AUD /NGN/ZAR/GBP	Local Bank Transfer, Paypal, Mpesa, SEPA, ABSA, Standard Bank, FNB or Nedbank, Bitcoin, Altcoin
28	CoinExchange		BTC	Bitcoin, Altcoin
29	Coingate	Lithuania	BTC	SEPA, Credit & Debit card
30	Coinhouse	France	BTC	Bitcoin, Altcoin
31	Coinome	India	INR/XRP	Bank Transfer, Bitcoin, Altcoin
32	Coinspot	Australia	AUD	Local Bank Transfers
33	Cointree	Australia	AUD	Gobbil, Bitcoin, Altcoin
34	C-Patex		BTC	Bitcoin, Altcoin
35	Crex24	Netherlands	BTC/EUR	Bank cards, e-wallet, payment systems, Bitcoin, Altcoin
36	Cryptochange	South Africa	BTC	Bitcoin, Altcoin
37	Cryptoidol	India	INR	Bank Transfer, Bitcoin, Altcoin
38	Cryptopia	New Zealand	BTC/USDT LTC/DOGE	Bitcoin, Altcoin
39	CryTrex		BTC/USDT/DOGE	Payeer, Bitcoin, Altcoin
40	DX Exchange	UK	BTC/ETH /USD/YEN	Credit Card, Wire Transfer
41	Easy Crypto	New Zealand	NZD	
42	Ehbcrypto	Netherlands	EUR	iDeal, Bancontact
43	EOT		BTC	Bitcoin, Altcoin
44	Evercoin	California	ALTCOIN	Bitcoin, Altcoin
45	Godex		ALTCOIN	Master Card, Visa, Bitcoin, Altcoin
46	Graviex		BTC/USDT	Payeer, Bitcoin, Altcoin
47	Hitbtc	UK	BTC/USDT/ETH	SEPA, SWIFT, Bitcoin, Altcoin
48	Huobi	Singapore	BTC/ETH	Bank Card, Paypal, Western union, Bitcoin, Altcoin
49	Iazo	Brazil	BTC	Bank Transfer, Bitcoin, Altcoin
50	Indacoin	UK	USD/EUR/RUB	Master Card, Visa, Bitcoin, Altcoin
51	Instaswap		BTC/LTC /ETH/XMR	Bitcoin, Altcoin
52	Koinmarketi	Turkey	TRY	AKBANK, Turkiye Bankasi, VakifBank, Ziraat Bankasi, Bitcoin, Altcoin
53	Kucoin	Hongkong	BTC/ETH	Bitcoin, Altcoin

54	Lescovex		EUR/USD/IPY /CNY/MXN /ALTCOIN	
55	LiteBit	Netherlands	EUR	Litebit credits, SEPA, SOFORT/ Giropay, iDeal, Bancontact, Mybank
56	Livecoin	Louisiana	BTC/ETH/EUR /USD/RUR	Payeer, Perfect Money, Capitalist, Advcash, Qiwi, Master Card, Yandex Money, Bitcoin, Altcoin
57	MapleChange	Canada	BTC/ETH/LTC	Bitcoin, Altcoin
58	Meanxtrade	Cambodia	LTC	Bitcoin, Altcoin
59	Nebula	Singapore	ETH/BTC/USDT	
60	Nlsexh	Netherlands	BTC/BCH/LTC/DOGE	Bitcoin, Altcoin
61	OKcoinkr	Korea	KRW	Bank Transfer, Bitcoin, Altcoin
62	OKEx	Hongkong	BTC/USDT/ETH	Bank Transfer, Bitcoin, Altcoin
63	OOOBTC	Singapore	BTC	Bitcoin, Altcoin
64	Poloniex	US	BTC	Bitcoin/ Altcoin
65	Shapeshift	Swiss	ALTCOIN	Bitcoin, Altcoin
66	Sistemkoin	Turkey	TRY	Bank Transfer, Epay
67	Swft Blockchain		ALTCOIN	Bitcoin, Altcoin
68	ThreeBX	US	ALTCOIN	Bitcoin, Altcoin
69	Trade Satoshi	UK	BTC/DOGE	Bitcoin, Altcoin
70	Tradebytrade		BTC/USDT	Bitcoin, Altcoin
71	Upbit	South Korea	BTC/ETH	Bitcoin, Altcoin
72	Vebitcoin	Turkey	TRY	Bitcoin, Altcoin, Local Bank Transfer, Papara
73	Vertpig	UK	BTC/LTC/VTC	Bitcoin, Altcoin
74	Yobit	Russia	BTC/ETH	Bitcoin, Altcoin

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