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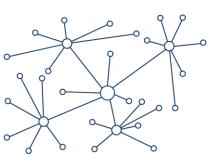
DigiByte Blockchain

DigiByte Foundation, * Correspondence: info@digibyte.io

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 recordkeeping. Each node (a computer connected to the network) gets a copy of the blockchain, which is downloaded automatically₂. Blockchain bring numerous benefits as decentralization, immutability, high availability, highly secure, simplification of current paradigms, faster dealings, cost saving transparency and trust₃. 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 cannot be done in reverse
Irreversible	A single transaction cannot 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

DigiByte₄ 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 cannot 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.





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DigiByte Technical Specifications ₅				
Launch Date	January 10th, 2014			
Blockchain Type	Public, Decentralized, UTXO based, Multi-Algorithm, Symbol:			
	DGB			
Genesis Block Hash	"USA Today: 10/Jan/2014 ₆ , Target: Data stolen from up to			
	110M customers"			
Max Total Supply	21 Bilion DigiBytes in 21 Years (2035)			
Block Reward Reduction	1% Monthly			
Mining Algorithims	Sha256, Scrypt, Groestl, Skein & Qubit			
Block Timing	15 Second Blocks, (1.5 Minutes per algo)			
Difficulty Retarget	Every 1 Block, 5 Separate Difficulties, 1 For Each Mining Algo			
SegWit Support	Yes (April 2017)			
Hardforks	DigiShield, MultiAlgo, MultiShield, DigiSpeed			
Softforks	SegWit, CSV, NversionBips			
Current Supply	10,008,813,888 (March/22/2018)			

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 transactions₇. 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 Dogecoin8, Zcash9, Ubiq10,11, Monacoin12, Bitcoin gold13, 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.





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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 seconds₁₄. 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 Years₁₅.

Is DigiByte Secure?

The DigiByte blockchain is spread over a 100,000+ 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*₄.

Is DigiByte Faster?

DigiByte has the fastest block speed of any public UTXO blockchain in the world today with 15 second block timings₅. DigiByte transactions, unlike other transactions on other blockchains, are limited in size and



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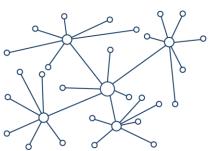
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scope to increase speed, efficiency, and throughput. Most importantly this maintains security. DigiByte has introduced special code that doubles block size every two years to scale the amount of transactions the network can handle well into the year 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)₅. Segregated witness allows for several innovations to occur on top of the DigiByte blockchain such as cross chain transactions and single confirmation transactions.

1. Applications Layer	
	Decentralized applications built on top of the
DAPPS (Decentralized Apps)	DigiByte blockchain
Digi-Apps	Centralized applications built on top of the DigiByte blockchain.
	Smart contracts that leverage the rigidity and
Smart Contracts	security of the DigiByte blockchain
2. Digital Asset / Public Ledger Layer	
	A digital byte of data, a representation of larger
Digital Assets: DigiBytes	data or a unit that holds value, and cannot be
	counterfeited, duplicated or hacked. DigiBytes can
	be used to secure value for many things.
	An immutable public ledger where all transactions
Immutable Public Ledger	of DigiBytes are recorded
	DigiByte uses five separate mining algorithms for
Mining Security	security. New DigiBytes come from mining.
3. Core Protocol / Global Network Lay	yer
	A very low-level way nodes on the DigiByte global
Core Communications Protocol	network communicate.
	Thousands of people running DigiByte software all
Global Network	across the planet.
	Any server, computer or mobile phone connected
Decentralized Nodes	to the DigiByte network becomes a node that helps
	relay transactions.





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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 analysis₄.

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 development₄.

Tried & Tested Technology	The DigiByte blockchain has been battle-hardened ar tested for over 4 years now, based on the most prove		
Industry Leading Transaction Speeds	blockchain technology. With quicker confirmation times, DigiByte transactions as		
maustry Leading Transaction Specus	one of the fastest ways to send value using a blockchain.		
Not An ICO	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.		
Multi Algorithm Mining	DigiByte was one of the first and currently active blockchains to hard fork from a single mining algorithm to 5 mining algorithms		
Use Cases Nominated in Public Competitions	DigiByte technology has been presented to governments, corporations and banks to emphasize the benefits of a decentralized future.		
Manageable Units	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.		
Early To Implement Industry Critical Features	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		





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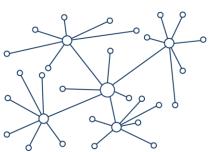
	all future development.		
World's Longest Major Blockchain	Growing to 6 million blocks, the DigiByte blockchain has encountered and overcome scalability issues not yet seen by most other major blockchains. These innovations will continue into ongoing development.		
Large Community	DigiByte has one of the largest, most engaged and decentralized community in today's blockchain space, adding new users every day.		
Successful Trials on Decentralized Exchanges	DigiByte has been successfully traded on decentralized exchanges as a key step towards a decentralized digital future.		
More Resistant to Hacking Control	DigiByte security is far more resilient to a 51% attack than other leading blockchains, making it an ideal asset for protecting valuable data.		
Full-time Founder	Jared Tate created and dedicated full-time development towards DigiByte since becoming one of the few blockchain founders who went public in 2014		

Founder of DigiByte is Jared Tate₁₆, he has experienced 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)₁₇, *Blockchain & Bitcoin Africa Conferences* (2016)₁₈, FinDEVr NY (2016)₁₉, *Finovate Spring* (2016)₂₀, *Collision Conference* (2016)₂₁, Credit Suisse (2016)₂₂, *Rise Conferences* (2016)_{23,24}, *Finalist for the Citi bank Tech 4 integrity challenge* (2017)_{25,26}, *Texas Bitcoin Conference* (2017)_{27,28}, MIT Bitcoin Expo (2018)₂₉ and events or some meetings that have been done and will do in the future.

Jared Tate set up *Digibyte Foundation*₃₀ by the end of 2017. The DigiByte Foundation is a non-profit organization dedicated to supporting the DigiByte global blockchain through three pillars: education, outreach, and development. Development Projects supported by The DigiByte Foundation is₃₀,

DigiByte Platform Projects					
DigiByte DigiHash	The official mining pool of the DigiByte Foundation. Mine here to contribute to the foundation.				
DigiByte Digi-ID	An innovative platform to use the DigiByte Blockchain for authentication. A replacement for passwords and 2FA.				
DigiByte Playground	An interactive javascript sandbox for developers to				





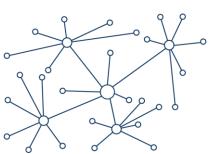


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	learn how to build on top of DigiByte
DigiByte Emma A.I.	Meet Emma, DigiBytes very own artificial intelligence assistant. Ask her anything about DigiByte. She learns more every day.
DigiByte DigiMan	An innovative web browser being built to utilize many aspects of the security of the DigiByte Blockchain.
DigiByte DigiSeeder	A background seeding service to make sure all wallets rapidly find other peers on the network.
DigiByte DigiMessenger	An innovative and secure messaging app built on top of DigiByte that is being prototyped.
DigiByte Easy Miner	And easy miner for beginners to begin mining DigiByte.
DigiByte DigiBot	A Telegram bot for users to interact with DigiByte and much more.

DigiByte Foundation Core	Initiatives ₃₀
Websites	
	DigiByte.io
	DigiByteFoundation.org
	DigiExplorer.info
	DigiHash.co
	DigiByteNetwork.com
	Video Interviews
Events	Video Intervious
	Video Roundtables
	Local Hackathons
	Local Meetups/ Regional Meetups
	Annual Conference
Core Protocol	
	DigiByte Core v6.15.0
	Atomic Swaps



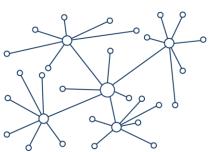


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	Speed Enhancements	
	DigiByte Core v7.1.0	
	Algo Swap	
	Crypto Swap	
	Artificial Block Intelligence	
Wallets		
	Windows Wallet	
	OS X Wallet	
	DigiByte Go	
	Android Wallet	
	iOS Wallet	
	Rasberry Pi Wallet	
	Jaxx Wallet	
	Trezor Hardware	
	Ledger Hardware	
Explorer		
	digiexplorer.info	
	chainz.cryptoid.info/dgb	

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 lot devices. DigiByte is the world's transparent and professional decentralized ledger, used by many industries, Altcoin debit cards, payment/ store, Dapps₃₁. This provides great confidence in building trust, transparency and security in world trade markets_{32,33}.



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Payment gateway

Airportparking airportparking.top₃₃

Bitbill bitbill.eu₃₄

Coingate coingate.com₃₅

Coinify coinify.com₃₆

Coinpayments coinpayments.net₃₇

Kamoney kamoney.com.br₃₈

DigiByte Debit Card

Bitwala bitwala.com₃₉

Payza payza.com₄₀

Spectrocoin spectrocoin.com41

Uquid uquid.com₄₂

Wirexapp wirexapp.com_{43,44}

DigiByte Wallet Available

Android Wallet Mobile wallet

ABRA 3rd Party Mobile wallet + Exchanges

Coinomi Wallet 3rd Party Mobile wallet

DigiByte Go Wallet Chrome Ext Wallet

Exodus Wallet 3rd Party wallet

iOS Wallet Mobile wallet

Ledger Hardware Hardware wallet

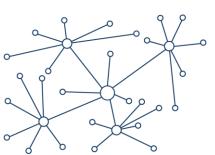
Linux Wallet Desktop wallet

OS X Wallet Desktop wallet

Satowallet 3rd Party Mobile wallet

Trezor Hardware Hardware wallet

Windows Wallet Desktop wallet



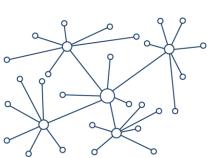


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DigiByte available to trade on exchanges₄₅:

No.	Exchanges	Country	Pair	Link
1	Alcurex	Finland	DGB/BTC	alcurex.com
2	Barterdex		DGB/ALTCOIN	barterdex.supernet.org
3	Bestrate		DGB/ALTCOIN	bestrate.org
4	Bittrex	Washington	DGB/BTC	bittrex.com
			DGB/ETH	
5	Bit-Z	Hongkong	DGB/BTC	bit-z.com
6	Bitbns	India	DGB/INR	bitbns.com
7	Bitcoinpk	Pakistan	DGB/ALTCOIN	bitcoinpk.com
8	Bitexlive	Turkey	DGB/BTC	bitexlive.com
9	Bitotal	Netherlands	DGB/BTC	bitotal.com
10	Bitfeks	Turkey	DGB/TRY	bitfeks.com
11	Bittylicious	UK	DGB/USD/EUR/GBP	bittylicious.com
12	Bitprime	New Zealand	DGB/USD	bitprime.co.nz
13	Blockbid	Melbourne	DGB/AUD/EUR/USD	blockbid.io
14	Blocknet		DGB/ALTCOIN	blocknet.co
15	Buyucoin	India	DGB/BTC	buyucoin.com
16	Carbonel	California	DGB/ALTCOIN	carbonel.io
17	Changelly	Czech Rep.	DGB/ALTCOIN	changelly.com
18	Coin2001	Brazil	DGB/BTC	coin2001.com
19	CoinBr	Brazil	DGB/ZAR/BRL	coinbr.io
20	Coinclerks		DGB/ALTCOIN	coinclerks.com
21	Coindirect	Isle of Man	DGB/KES/IDR/AUD	coindirect.com
			DGB/NGN//ZAR/GBP	
22	CoinExchange		DGB/BTC	coinexchange.io
23	Coingate	Lithuania	DGB/BTC	coingate.com
24	Coinhouse	Paris	DGB/BTC	coinhouse.eu
25	Coinmonkey		DGB/ALTCOIN	coinmonkey.io
26	Coinome	India	DGB/INR	coinome.com
27	Coinscontrol		DGB/BTC/ALTCOIN	coinscontrol.com
28	Coinspot	Australia	DGB/AUD	coinspot.com.au
29	Coinswitch	India	DGB/ALTCOIN	coinswitch.co
30	Crex24	Netherlands	DGB/BTC; DGB/EUR	crex24.com
31	Crypto-Bridge		DGB/ALTCOIN	crypto-bridge.org
32	Criptocambio	Brazil	DGB/BRL	criptocambio.com.br
33	Cryptochange	South Africa	DGB/BTC	cryptochange.co.za
34	Cryptoidol	India	DGB/INR	cryptoidol.com
35	Cryptopia	New Zealand	DGB/BTC	cryptopia.co.nz
	,, ,		DGB/LTC	
			DGB/DOGE	
36	Ehbcrypto	Netherlands	DGB/EUR	ehbcrypto.nl
37	Evercoin	California	DGB/ALTCOIN	evercoin.com
38	Godex		DGB/ALTCOIN	godex.io



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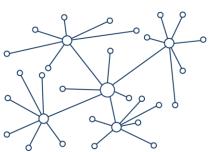
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39	Hitbtc	UK	DGB/BTC	hitbtc.com
			DGB/USDT	
			DGB/ETH	
40	lazo	Brazil	DGB/BTC	iazo.io
41	Indacoin	UK	DGB/USD/EUR/RUB	indacoin.com
42	Koinmarketi	Turkey	DGB/TRY	koinmarketi.com
43	Kucoin	Hongkong	DGB/BTC	kucoin.com
			DGB/ETH	
44	Lescovex		DGB/EUR/USD/JPY	lescovex.com
			DGB/CNY/MXN	
			DGB ALTCOIN	
45	LiteBit	Netherlands	DGB/EUR	litebit.eu
46	Livecoin	Louisiana	DGB/BTC	livecoin.net
47	Meanxtrade	Cambodia	DGB/LTC	meanxtrade.com
48	Nebula	Singapore	DGB/ETH/BTC/USDT	nebula.exchange
49	Nlexch	Netherlands	DGB/BTC/BCH	nlexch.com
			DGB/LTC/DOGE	
50	Nova Exchange	Sweden	DGB/BTC	novaexchange.com
			DGB/LTC	
			DGB/ETH	
51	OKEx	Hongkong	DGB/BTC	okex.com
			DGB/USDT	
			DGB/ETH	
52	Poloniex	US	DGB/BTC	poloniex.com
53	Shapeshift	Swiss	DGB/ALTCOIN	shapeshift.io
54	Shiftex	California	DGB/ALTCOIN	shiftex.io
55	Sistemkoin	Turkey	DGB/TRY	sistemkoin.com
56	Trade Satoshi	UK	DGB/BTC	tradesatoshi.com
			DGB/DOGE	
57	Tradebytrade		DGB/BTC/USDT	tradebytrade.com
58	Upbit	South Korea	DGB/BTC	upbit.com
			DGB/ETH	
59	Vebitcoin	Turkey	DGB/TRY	vebitcoin.com
60	Yobit	Russia	DGB/BTC	yobit.net

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- 3. https://www.quora.com/What-is-the-benefit-of-blockchain-technology
- 4. https://digibyte.io/
- 5. https://github.com/digibyte/digibyte
- $6. \ https://www.usatoday.com/story/money/business/2014/01/10/target-customers-data-breach/4404467$
- 7. https://www.r3.com/blog/2017/07/18/what-is-a-utxo/
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- 9. https://z.cash/blog/new-alpha-release-faster-block-times.html



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- 11. https://bitcointalk.org/index.php?topic=1763606.0
- 12. https://github.com/monacoinproject/monacoin/commits/master-0.14
- 13. https://btcgpu.org/wp-content/uploads/2017/10/BitcoinGold-Roadmap.pdf
- 14. https://www.investopedia.com/terms/1/51-attack.asp
- 15. https://www.reddit.com/r/Digibyte/comments/34ioyu/digispeed_hard_fork/
- 16. https://www.linkedin.com/in/jaredctate/
- 17. https://www.youtube.com/watch?v=JkWVD8MJIS0
- 18. https://www.youtube.com/watch?v=d-y9wNWII6k
- 19. http://findevr.com/videos/findevr-2016-digibyte-holdings/
- 20. http://finovate.com/videos/finovatespring-2016-digibyte-holdings/
- 21. https://bitcointalk.org/index.php?action=profile;u=511772;sa=showPosts;start=300
- 22. https://www.facebook.com/creditsuisse/photos/a.10150091647861030.286514.205362186029/10155127737786030/?type=3&theater
- 23. https://riseconf.com/news/50-startups-investors-most-excited-about-rise
- 24. https://riseconf.com/news/rise-figures-probably-havent-heard
- 25. https://www.techforintegritychallenge.com/
- 26. https://www.businesswire.com/news/home/20171002006483/en/Tech-Integrity-Challenge-Announces-Final-Awards
- 27. https://www.youtube.com/watch?v=MiBFKJVF69A
- 28. https://texasbitcoinconference.com/speakers/
- 29. http://mitbitcoinexpo.org/#page-speakers
- 30. https://digibytefoundation.org/
- 31. https://www.usethatdigi.com/
- $32. \ https://www.cliffordchance.com/news/news/2017/09/clifford-chance-announces-tech-for-integrity-legal-award-recipie.html. \\$
- 33. https://www.airportparking.top/cryptopayment.html
- 34. https://www.bitbill.eu/
- 35. https://coingate.com/accept/dgb/digibyte
- 36. https://support.coinify.com/Knowledgebase/Article/View/119/5/which-blockchain-currencies-are-you-currently-supporting-for-payments
- 37. https://www.coinpayments.net/supported-coins
- 38. https://www.kamoney.com.br/
- 39. https://www.bitwala.com/bitwala-accepting-all-major-cryptocurrencies/
- 40. https://www.payza.com
- 41. https://blog.spectrocoin.com/en/2017/03/how-to-deposit-altcoins-at-spectrocoin-com/
- 42. https://uquid.com/digibyte-debit-card
- 43. https://wirexapp.com/

