Zucoins | Cryptocurrency Comparison

	bitcoin	Zucoins
Ticker Code	BTC	ZKZ
Layer 1 Protocol	Blockchain ledger technology incrementally adds blocks to a growing chain of data. Transaction validation is performed through mining (Proof of Work).	Splitchain's distributed ledger technology only stores a user's last two transactions across network nodes. Transactions are validated through peer verification.
Total Circulation	**19.8 million BTC** with an additional 1.2 million to be mined until **~2140**.	**100 million** maximum supply.
Network Operation	The Bitcoin ledger updates through mining, where miners solve complex math problems to verify new blocks of transactions before adding them to the blockchain.	Splitchain uses a peer-to-peer trust validation model designed for scalability and transaction efficiency. Only the last two transactions of each user are held on the network.
Transaction Verification & Authentication	Transactions are verified through mining and can take between **2 minutes and 2 hours** to be validated and added to the chain.	Peers verify transactions using cached data from the Splitchain node network. This enables efficient real-time processing with near-instant settlement.
Transaction Fees	Average transaction fee of **USD$2.80**, reaching highs of **USD$40.00**.	No transaction fees.
Processing Speed	Approximately **7 transactions per second**. Network congestion and mining requirements can result in processing times between **10 minutes and 3 hours**.	**100,000+** transactions **per second** using peer-to-peer ledger updating and secured data fragmentation.
Exchanges	Holding Bitcoin on exchanges can expose users to custody risks, fees and insolvency concerns, as seen with the FTX collapse.	Zucoins are always stored within the holder's wallet. Exchanges only receive read-only access to facilitate transactions, reducing risk.
Layer 1 Scalability & Processing Speeds	Bitcoin can process 7 transactions per second and supports up to 8 **decimal places.**	Zucoins can process over 100,000 transactions per second and support over **32 decimal places.**
Energy Consumption & Sustainability	Bitcoin electricity demand is estimated at around **131.2 terawatts per hour**, significantly outpacing the electricity consumption of several countries. **Summary:** Significant energy consumption.	Zucoins only require a small amount of power to perform transactions using existing mobile phones and server hardware. **Summary:** Zero carbon cost transactions.

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Recoverability	There is no mechanism to recover stolen or lost BTC. If a wallet file or private key is lost, all BTC are permanently inaccessible.	Transfers require 2FA and peer verification. Wallets can also be securely backed up and restored.
User Friendly Technology	Bitcoin wallets can be technically challenging, requiring users to manage private and public keys securely. Complexity remains a barrier to entry and mass adoption.	Simplified and user-friendly ZKZ wallets are made possible through PWA technology and streamlined wallet infrastructure.
Commercial Applications	Bitcoin can be slow, expensive and impractical for many commercial applications, particularly for everyday payments and transfers.	Zucoins are designed for use across industries, from online shopping to peer-to-peer global transfers without fees or FX charges.
How is Data Stored	Blockchain ledger technology stores every transaction ever made on the network within an ever-growing chain of blocks.	Splitchain's distributed ledger technology only stores users' last two transactions across the network nodes.
Stablecoins & Stripe Payments (via Zutopia)	Not supported directly. Requires third-party exchanges and manual swaps.	Zutopia supports instant Zucoins purchases using Stripe (credit/debit cards), stablecoins and bank transfers.