

Bitcoin Network and Currency

Bitcoin is a peer-to-peer electronic cash system that eliminates the need for centralized intermediaries such as banks or governments. It uses blockchain technology to support transactions between users on a decentralized network.

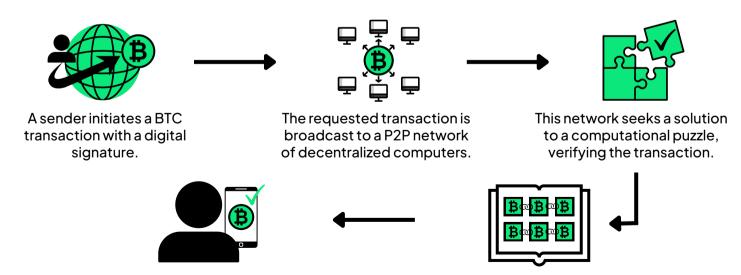
- The issuing of currency is carried out collectively by the network.
- **❷** Bitcoin is open-source; its design is public and nobody owns or controls the network. Everyone can take part.
- Transactions are authenticated through Bitcoin's proof-of-work consensus mechanism, which rewards cryptocurrency miners for validating transactions.

Blockchain Technology

Blockchain technology eliminates the need for a trusted party to facilitate digital relationships and is the backbone of cryptocurrencies.

- ✓ In its simplest form, a blockchain is a distributed list of transactions that is constantly updated and reviewed.
- Also known as distributed ledger technology, it can be programmed to record and track anything of value across a network spread around multiple locations and entities.
- While often associated with cryptocurrencies, blockchain technology is not exclusive to the digital asset market. With its unique ability to add /store data, it can serve many other functions across various industries.

How does Bitcoin work on the blockchain?



The recipient is notified of the transaction and uses their private digital key to access the BTC. Transaction is complete.

Once verified, the transaction is combined with other transactions to create a new block of data for the digital ledger.