

How Bitcoin Works

Decentralized digital currency, secure and transparent, revolutionizing finance.



What is Bitcoin?

Decentralized Digital Currency

Bitcoin is a digital currency that operates independently of central banks and governments. It is a peer-to-peer system, meaning transactions occur directly between users without intermediaries.

Secure and Transparent

Bitcoin transactions are recorded on a public ledger called the blockchain, ensuring transparency and security. Each transaction is encrypted and verified by multiple nodes, making it virtually impossible to tamper with.

How Does the Blockchain Work?

1

Blocks

The blockchain is a chain of blocks, each containing a set of transactions. New blocks are added to the chain every 10 minutes.

2

Hashing

Each block contains a cryptographic hash of the previous block, linking them together securely. This makes it impossible to alter any block without affecting all subsequent blocks.

3

Decentralization

The blockchain is distributed across a network of computers, ensuring that no single entity controls the network. This decentralized nature enhances security and resilience.