# [ PDF Database Document ] - BTCC Cryptocurrency Exchange

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https://www.btcc.com/en-US/markets/Bitcoin

**About Bitcoin (BTC)**

Bitcoin is a cryptocurrency, a virtual currency designed to act as money and a form of payment outside the control of any one person, group, or entity, and thus removing the need for third-party involvement in financial transactions. It is rewarded to blockchain miners for the work done to verify transactions and can be purchased on several exchanges.

Bitcoin was introduced to the public in 2009 by an anonymous developer or group of developers using the name Satoshi Nakamoto.

As the world's first cryptocurrency, Bitcoin has come a long way in terms of its value. However, one does not have to buy an entire bitcoin as bitcoins can be divided into small units called satoshis, named after the creator. A satoshi is equivalent to 0.00000001 bitcoin.

## Bitcoin Upgrades

Because Bitcoin is decentralized and community-driven, many upgrades to Bitcoin come in the form of formal proposals called Bitcoin Improvement Proposals, or BIPs. This ensures that the software is always undergoing upgrades that can further contribute to the community's needs. Anyone can propose a BIP, and the community will reject or approve of the BIP collectively. One major upgrade to Bitcoin's consensus protocol is the SegWit Upgrade, proposed in BIP 141 and designed to help the bitcoin scale to support more transactions to meet growing demand. BIPs like these change Bitcoin's consensus rules, resulting in forks.

## Bitcoin Forks

Forks are the points where software is copied and modified, resulting in two chains with a shared original chain. There are two types of forks–soft and hard forks. Soft forks are upgrades that still allow un-upgraded nodes to interact with upgraded nodes. Hard forks are upgrades that do not allow un-upgraded nodes to interact with upgraded ones. Bitcoin Cash is an example of a hard fork of Bitcoin.

Because Bitcoin is decentralized, it is not subjected to inflation or any monetary policies created by

any central banks or government. Instead, there will only ever be 21 million BTC in existence.

## How to Mine Bitcoin

A variety of hardware and software can be used to mine Bitcoin. When Bitcoin was first released, it was possible to mine it competitively on a personal computer. However, as it became more popular, more miners joined the network, which lowered the chances of being the one to solve the hash. You can still use your personal computer as a miner if it has newer hardware, but the chances of solving a hash are individually are minuscule.

This is because you're competing with a network of miners that generate around 220 quintillion hashes (220 exa hashes) per second.

Machines, called Application Specific Integrated Circuits (ASICs), have been built specifically for mining—can generate around 255 trillion hashes per second. In contrast, a computer with the latest hardware hashes around 100 mega hashes per second (100 million).

To successfully become a Bitcoin miner, you have several options. You can use your existing personal computer to use mining software compatible with Bitcoin and join a mining pool. Mining pools are groups of miners that combine their computational power to compete with the large ASIC mining farms.

Cryptocurrency Price Prediction

Avalanche (AVAX) Price Prediction
Cardano (ADA) Price Prediction
Ethereum Classic (ETC) Price Prediction
Chainlink (LINK) Price Prediction
Dogelon Mars (ELON) Price Prediction
Ripple (XRP) Price Prediction
XRP Price Prediction
Solana (SOL) Price Prediction
Ethereum Price Prediction
Bitcoin (BTC) Price Prediction
Litecoin (LTC) Price Prediction
Polygon (MATIC) Price Prediction
Dash (DASH) Price Prediction
STEPN (GMT) Price Prediction
Bitcoin Cash (BCH) Price Prediction
Stellar Lumens (XLM) Price Prediction
Yearn.Finance (YFI) Price Prediction
Waves (WAVES) Price Prediction
Bitcoin SV (BSV) Price Prediction
Filecoin (FIL) Price Prediction
Optimism (OP) Price Prediction
Tron (TRX) Price Prediction
ConstitutionDAO (PEOPLE) Price Prediction
EOS (EOS) Price Prediction
Gala (GALA) Price Prediction
Enjin (ENJ) Price Prediction

MANA Price Prediction
The Sandbox (SAND) Price Prediction
Immutable X (IMX) Price Prediction
Axie Infinity (AXS) Price Prediction
Flow (FLOW) Price Prediction
Galxe (Previously Project Galaxy) Price Prediction
Mask Network (MASK) Price Prediction
ApeCoin (APE) Price Prediction
Ethereum Name Service (ENS) Price Prediction
1inch Network (1INCH) Price Prediction
Curve Dao (CRV) Price Prediction
dYdX (DYDX) Price Prediction
PancakeSwap (CAKE) Price Prediction
Uniswap (UNI) Price Prediction
Terra Luna Classic Price Prediction
Algorand Price Prediction
Fantom (FTM) Price Prediction
Celo (CELO) Price Prediction
Blur Price Prediction
Mina Protocol (MINA) Price Prediction
Near Protocol (NEAR) Price Prediction
Toncoin (TON) Price Prediction
Qtum (QTUM) Price Prediction
Internet Computer (ICP) Price Prediction
Polkadot (DOT) Price Prediction
Aptos (APT) Price Prediction
Cosmos (ATOM) Price Prediction
Neo (NEO) Price Prediction
Binance Coin (BNB) Price Prediction
Shiba Inu (SHIB) Price Prediction
Alchemy Pay (ACH) Price Prediction
Conflux (CFX) Price Prediction
Core DAO (CORE) Price Prediction
Arweave (AR) Price Prediction
Synthetix (SNX) Price Prediction
Measurable Data Token (MDT) Price Prediction
Adventure Gold (AGLD) Price Prediction
Arbitrum (ARB) Price Prediction
Aragon (ANT) Price Prediction
MultiversX (EGLD) Price Prediction
ETHPoW (ETHW) Price Prediction
Hooked Protocol (HOOK) Price Prediction
Klaytn (KLAY) Price Prediction
LooksRare (LOOKS) Price Prediction
Ren (REN) Price Prediction
Storj (STORJ) Price Prediction
Theta Network (THETA) Price Prediction
Nem (XEM) Price Prediction
Monero (XMR) Price Prediction
Render (RNDR) Token Price Prediction
Ravencoin (RVN) Price Prediction

Zilliqa (ZIL) Price Prediction
Pepe (PEPE) Price Prediction
AiDoge Price Prediction
Sui (SUI) Price Prediction
Floki Inu (FLOKI) Price Prediction
SingularityNet (AGIX) Price Prediction
Stella (ALPHA) Price Prediction
Ankr (ANKR) Price Prediction
ARPA (ARPA) Price Prediction
Astar (ASTR) Price Prediction
Balancer (BAL) Price Prediction
Band Protocol (BAND) Price Prediction
Bella Protocol (BEL) Price Prediction
BinaryX (BNX) Price Prediction
Celsius (CEL) Price Prediction
Celer Network (CELR) Price Prediction
Cocos-BCX (COCOS) Price Prediction
Compound (COMP) Price Prediction
Shentu (CTK) Price Prediction
Cartesi (CTSI) Price Prediction
Civic (CVC) Price Prediction
DODO (DODO) Price Prediction
Open Campus (EDU) Price Prediction
Fetch.ai (FET) Price Prediction
Frax Share (FXS) Price Prediction
Game Fantasy Token (GFT) Price Prediction
GMX Price Prediction
Hedera (HBAR) Price Prediction
Highstreet (HIGH) Price Prediction
ICON (ICX) Price Prediction
SPACE ID (ID) Price Prediction
JasmyCoin (JASMY) Price Prediction
JOE (JOE) Price Prediction
Kusama (KSM) Price Prediction
Lido DAO (LDO) Price Prediction
Linear Finance (LINA) Price Prediction
Liquity (LQTY) Price Prediction
Loopring (LRC) Price Prediction
Maker (MKR) Price Prediction
Ocean Protocol Price Prediction
Radiant Capital (RDNT) Price Prediction
iExec (RLC) Price Prediction
Rocket Pool (RPL) Price Prediction
Reserve Rights (RSR) Price Prediction
SSV Network (SSV) Price Prediction
StarLink Coin Price Prediction
Stargate Finance Price Prediction
StormX (STMX) Price Prediction
Stacks (STX) Price Prediction
Swipe (SXP) Price Prediction
TomoChain (TOMO) Price Prediction

Tellor (TRB) Price Prediction
UMA (UMA) Price Prediction
TerraClassicUSD (USTC) Price Prediction
VeChain (VET) Price Prediction
WOO Network (WOO) Price Prediction
Yield Guild Games (YGG) Price Prediction
0x Protocol (ZRX) Price Prediction
Pepe 2.0 Price Prediction
Bancor Network Token (BNT) Price Prediction
JUST (JST) Price Prediction
Smooth Love Potion(SLP) Price Prediction
Step App (FITFI) Price Prediction
Chia Network (XCH) Price Prediction
Badger DAO (BADGER) Price Prediction
Perpetual Protocol(PERP) Price Prediction
Cronos (CRO) Price Prediction
Biconomy (BICO) Price Prediction
Dora Factory (DORA) Price Prediction
Gods Unchained (GODS) Price Prediction
Sweat Economy (SWEAT) Price Prediction
Flare (FLR) Price Prediction
Moonbeam (GLMR) Price Prediction
Kadena (KDA) Price Prediction
Creditcoin (CTC) Price Prediction
Illuvium (ILV) Price Prediction
Akropolis (AKRO) Price Prediction
Trust Wallet Token (TWT) Price Prediction
Alien Worlds (TLM) Price Prediction
Worldcoin (WLD) Price Prediction
Casper (CSPR) Price Prediction
Aave (AAVE) Price Prediction
Yield Guild Games (YGG) Price Prediction
Api3 (API3) Price Prediction
Optimism (OP) Price Prediction
Livepeer (LPT) Price Prediction

Whitepaper

Official Website