

BLUECOIN

BLC - Whitepaper v1.0 - 2026

A Decentralized SHA-256 Proof-of-Work Cryptocurrency

<https://bluecoin.cash>

1. Abstract

BlueCoin (BLC) is a decentralized peer-to-peer digital currency built on SHA-256 Proof-of-Work. Launched in 2026, BlueCoin provides a fair and accessible cryptocurrency that anyone can mine using standard hardware. With a fixed supply of 100,000,000 BLC and a predictable halving schedule, BlueCoin is designed to be a deflationary store of value.

2. Key Facts

Name	BlueCoin	Symbol	BLC
Algorithm	SHA-256 PoW	Max Supply	100,000,000 BLC
Block Time	~10 minutes	Block Reward	50 BLC
Halving	Every 2 years	Premine	9% Founder
Website	bluecoin.cash	Twitter	@BlueCoinBLC

3. Technology

SHA-256 Proof-of-Work

BlueCoin uses the SHA-256 Proof-of-Work consensus mechanism. Miners compete to solve cryptographic puzzles by finding a hash that meets the network difficulty target. The first miner to solve the puzzle earns the block reward.

Double SHA-256 Hashing

BlueCoin uses double SHA-256 hashing for enhanced security. A valid block hash must begin with leading zeros determined by the current difficulty. This makes it computationally expensive to find valid hashes, securing the network.

4. Tokenomics

Category	Amount (BLC)	Percentage
Founder Premine	9,000,000	9%
Mining Rewards	91,000,000	91%
Total Supply	100,000,000	100%

Halving Schedule

Block rewards halve every 2 years (every 105,120 blocks): 50 BLC > 25 BLC > 12.5 BLC > 6.25 BLC and so on until all 91,000,000 mining BLC are distributed over approximately 30 years.

5. Mining Guide

Step 1: Install Requirements

```
sudo apt install -y build-essential libssl-dev git
```

Step 2: Download and Compile

```
git clone https://github.com/Sildo20-code/bluecoin-miner
g++ -o bluecoin miner.cpp -lssl -lcrypto
```

Step 3: Start Mining

```
./bluecoin YOUR_BLC_ADDRESS
```

Mining Pool: <stratum+tcp://165.245.219.14:3333>

6. Roadmap

Phase	Timeline	Milestones	Status
Phase 1 Foundation	Q1 2026	Blockchain, Explorer, Wallet, Miner	DONE
Phase 2 Ecosystem	Q2 2026	Pool, Send BLC, Community	IN PROGRESS
Phase 3 Growth	Q3 2026	Exchange Listings, Mobile Wallet	PLANNED
Phase 4 Maturity	Q4 2026+	DeFi, Cross-chain, Governance	FUTURE

7. Conclusion

BlueCoin represents a return to the fundamental principles of cryptocurrency: decentralization, fairness, and accessibility. With a complete ecosystem including an explorer, wallet, mining pool, and open-source software, BlueCoin is ready for global adoption. Join us at bluecoin.cash.