

FEATURES & SPECIFICATIONS



Supply cap: 10,000,000,000 XDN

Consensus: Proof-of-Work + Proof-of-Stake

PoW algorithm: bmw512 (Wish) - ASIC resistant

PoS algorithm: Echo512 - ASIC resistant

Block time target: 2 minutes

Minimum enforced block spacing: 45 seconds

Maximum block spacing (soft limit): 3.17 minutes

Confirmations required to spend: 15

Masternode collateral: 2,000,000 XDN

Block reward: 300 XDN (PoW + PoS + dev allocation)

Block reward split: 250 XDN PoW + PoS see-saw, 50 XDN dev allocation

Difficulty retarget: VRX v3.0 w/ hybrid chain swing

CodeBase origins: BTC 0.11 reference source + custom XDN features (dynamic max-block sizes, MN/Network payout see-saw, dev allocation, velocity blockchain constraint system) + DASH features (Darksend, InstantTX, messaging, masternodes)

Masternode swing base: 100 XDN/block

Masternode swing peak: 200 XDN/block

Network swing base: 150 XDN/block

Network swing peak: 50 XDN/block

Emissions swing:

Incremental step: 20% step

Interval: 30 blocks

Step per interval: 1 step

Steps per swing: 5 steps (up or down)

Epoch (see-saw finish): 15 intervals

Upswing duration: 5 intervals

Downswing duration: 5 intervals

Idle duration: 5 intervals (no adjustment)

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Supply Cap: The maximum coin supply is estimated to be reached ~25 years after launch around 2044, with a variance depending on how many coins are burned after the swap period ends. Once the maximum coin supply is reached, the XDN system will only pay network fees to the participants of the blockchain's emissions ensuring an exact cap of 10 billion XDN to ever exist.

Coin Burn: Users have about 6 months to swap their XDN from the old codebase to the current one. Funds that have not been swapped from the old codebase within the swap period will be "burned", thus lowering the circulating supply of XDN.

Reserve Blocks: Initially the DigitalNote team mined what are known as "reserve blocks" in order to generate the proper amount of coins needed for the swap from the old XDN codebase to the current one (specifically 80,000,000 XDN per block for blocks 2-102). By doing so users are able to retain their balance from the previous blockchain project and move onto a more secure and stable codebase. A small portion of this was saved into a DigitalNote project fund in order to complete the XDN v2.0 upgrade successfully, ensure future exchange listings and allow for future expansions and features.

Block Reward Split: A portion of the network paid emissions (50XDN/block) is sent to a developer team address to support DigitalNote team members directly so that they may continue development and be compensated for their work.