

QUARKCHAIN

Rating **BB**

Outlook	Stable
Label	General Platform
Total Supply	10,000,000,000
In Circulation	801,649,919

Score

TEAM



PROJECT



ECOSYSTEM



Analyst

Weirong Chen

data@tokeninsight.com

tokeninsight.com

15 Oct 2018

Risk

QuarkChain is aiming to extend the scalability of its public blockchain to reach 100,000 TPS. The project applies a sharding mechanism in its first layer of its two-layered blockchain in order to build scalability. Furthermore, it designs a game theoretic framework to guarantee the security of its chains. Its testnet was launched in July, 2018, and has currently reached more than 10,000 TPS in its test. However, the distribution of its tokens currently in circulation is relatively concentrated.

Summary

Team

Founder, Qi Zhou

- Doctor of Philosophy in Electrical and Computer Engineering, Georgia Institute of Technology
- 2017 - 2018: Software Engineer at Facebook
- 2014 - 2017: Consultant Software Engineer and Principal Software Engineer at DELL EMC

Advisors

- Bill Moore: President of DSSD
- Mike Miller: Founder of Cloudant

Project

Two-layered Blockchains

The network has a sharding blockchain layer and a root blockchain layer. The sharding layer contains minor shards which process transactions independently. The root blockchain confirms the blocks take from the shards.

Collaborative Mining

The root chain has more than 50% of hashpower over the entire hashpower of the network to prevent double spending attacks. In addition, hashpower distributes evenly among shards in the sharding blockchain layer.

Cross-shard Transactions

Cross-shard transactions can be issued at any time, and confirmed in minutes. The throughput of cross-shard transactions increases linearly as the number of shards increases.

Ecosystem

Market Cap: \$ 22,528,214

Ranking: 193

Token Mechanism

QKC is a non-refundable functional utility token which can be used as the unit of exchange between participants on the network.

The key application scenarios of the network focus on financial tech areas and gaming industries.

AAA: The technical foundation is extremely solid and project risk is extremely low.

AA: The technical foundation is very solid and project risk is very low.

A: The technical foundation is solid and project risk is relatively low.

BBB: Technical feasibility is very good and project risk is controllable.

BB: Technical feasibility is good and the risk of the project is moderately controllable.

B: Technical feasibility is moderate and project risk is limited to a controllable extent.

CCC: The technical foundation or idea has certain problems and the project has relatively large risks.

CC: The technical foundation or idea has considerable problems and the project carries large risks.

C: The technical foundation or idea has substantial problems and the project suffers from extremely large risks.

D: The project is riddled with problems and carries an extremely high risk of failure.

TokenInsight only conducts evaluations based on quality and risk for the token projects examined, and does not make evaluations with regards to investment or valuation. For this reason, TokenInsight reports do not function as a reference for token investment.