

## **Matic Network (MATIC)**

### **About :**

Matic Network brings massive scale to Ethereum using an adapted version of Plasma with PoS based side chains.

The system ensures liveness using PoS checkpoints which are pushed to the Ethereum mainchain. This enables a single Matic sidechain to theoretically achieve 2<sup>16</sup> transactions per block, and possibly millions of transactions on multiple chains in the future.

### **Advantages :**

- 1. Scalability :** Scalability is realized by using a decentralized Plasma operator mechanism with finality achieved on a main chain.

**2. High Throughput :** Can scale to millions of transactions on a sidechain tree architecture. Upto 65k transactions/second on a single Matic chain.

**3. User Experience :** Smooth UX abstraction from mainchain to Matic chain. Native mobile apps and SDK with WalletConnect support.

**4. Security :** The Matic chain(s) operators are themselves Stakers and Delegates in a Proof-of-Stake system in the Matic Network.

**5. Asset Interoperability :** Assets on different sidechains across various blockchains will be made inter-operable by Matic Network in the near future.

**6. One Stop DeFi Platform :** Multiple protocols enabling extensive decentralized finance applications can be hosted on Matic Sidechains.