IOTA

IOTA - The industry standard protocol for the Smart City and Internet-of-Things data revolution

IOTA is an open source protocol for:

ENERGY | MOBILITY | EHEALTH | SMART BUILDINGS | SMART CITIES | RETAIL | SUPPLY CHAIN
and many more...

IOTA in a Nutshell

IOTA is a third-generation DLT, built using a revolutionary blockless distributed ledger, known as the Tangle. It solves many of the traditional problems with Blockchain. The Tangle is scalable, lightweight and makes it possible to transfer value without any fees.
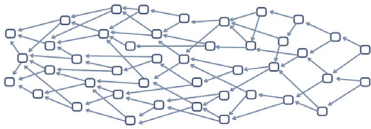

Illustration of IOTA's Tangle

Why IOTA

IOTA develops a secure data communication protocol and zero-fee micro-payment solutions for the Internet of Things and machine to machine applications.
Together with a growing ecosystem of corporations, start ups, public enterprises and universities, the IOTA Foundation addresses Digital Trust challenges and co-creates new data driven business models by setting collaboration across business sectors.

Core Benefits

→ Open source technology that is developed and maintained by the non-profit IOTA Foundation

→ Permissionless and secure

→ IOTA protocol ensures data-privacy, integrity and authenticity

→ Fee-less enabling a frictionless digital infrastructure

→ Lightweight core protocol to run on small devices and sensors

→ Real-time streaming of data and payments to avoid latency

IOTA enables the data integrity, cybersecurity, e-privacy, and real-time data monetisation needed in smart city digital infrastructures.

Example of Use Cases

→ Decentralised energy micro-trading and positive energy districts

→ Seamless EV smart charging

→ Mobility-as-a-Service (MaaS)

→ Car Smart Wallet for Tolls, Charging and Data trading

→ Real estate and city digital twin

→ IoT / Data marketplace and more..

→ Open & interoperable city digital infrastructure

→ Open and Secure data sharing with global scalability

IOTA Foundation

Established in Germany in 2017, the IOTA Foundation is a world leader in the development of opensource Distributed Ledger Technologies (DLT) for the Internet-of-Things (IoT) and smart cities. As of July 2019, IOTA brings together a team of 100 individuals distributed across 25 countries and a growing number of private and public partners.

Contact Us

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IOTA Whitepaper