

# introduction)

- [Network Info](#)
- [Specification](#)
- [Other Resources](#)

Was this helpful?

## Mainnet

Get started with your attestation stack in Automata Mainnet

### Introduction

We are excited to introduce the Automata Mainnet, which is a OP Stack Rollup Layer 2 (L2) built on top of the [Optimism](#) and [AltLayer](#). Optimistic Rollup is a scaling solution for Ethereum that improves transaction throughput and cost-effectiveness by processing transactions off-chain while ensuring the security and integrity of on-chain settlements. It achieves this by bundling multiple transactions into a single rollup block, which is then submitted to the Ethereum Network (Layer 1). This approach significantly reduces the gas fees and increases the throughput of the Ethereum Network.

### Network Info

The information about the Automata Mainnet and its corresponding settlement layer Ethereum Mainnet is as follows:

Automata Mainnet Ethereum Mainnet \* Network Name \* - Automata Mainnet \* RPC URL \* <https://rpc.ata.network> \* Chain ID \* - 65536 \* Currency Symbol \* - ATA \* Block Explorer URL \* - <https://explorer.ata.network> \* Network Name \* - Ethereum Mainnet \* RPC URL \* - <https://1rpc.io/eth> \* Chain ID \* - 1 \* Currency Symbol \* - ETH \* Block Explorer URL \* - <https://etherscan.io>

### Specification

- Settlement Layer(L1)
  - Ethereum Mainnet
- Stack
  - OP Stack
- Block time
  - 2 seconds
- Block Gas Limit
  - 30,000,000
- Checkpoint Periods
  - 1 hour
- Challenge Periods
  - 7 days

### Other Resources

#### [Bridge](#)

Transfer tokens between Ethereum Mainnet L1 and Automata Mainnet L2. A detailed user guide can be found [here](#).

#### [Proof Of Machinehood](#)

An on-chain proof of a user's device attestation ability via Automata 2.0, dig in [a PoM](#).

#### [L1 explorer](#)

See your L1 transactions on Ethereum Mainnet's block explorer.

#### [L2 explorer](#)

See your L2 transactions on Automata Mainnet's block explorer.

