

Introduction

1inch Orderbook API is using the 1inch [Limit Order Protocol](#), which is a set of smart contracts that can work on any EVM-based blockchains. Key features of the protocol are extreme flexibility and high gas efficiency.

Orderbook

Orderbook is a financial instrument with which you can put up an ERC-20 token for sale at a fixed price. For example, you can put up 2 WBTC tokens for sale at the price of 82,415 DAI tokens.

1inch Limit Orders Protocol has many tools for flexible trade management:

- Partial fill
- Predicates
- Single cancellation
- Bunch cancellation
- Fullness check
- Validation

To enable efficient market making, RFQ orders are used, benefiting from a special optimization that avoids high gas costs during execution.

Limit order execution

1. Order placement

Users place limit orders via the [1inch dApp](#). Each order is cryptographically signed and remains off-chain until executed.

2. Order discovery

Anyone can fetch these signed orders using the [1inch Orderbook API](#) to execute trades by submitting them on-chain.

3. Order execution

To execute an order, the signed order is submitted to the smart contract's `fillOrder` method. See the latest contract addresses in [Limit Order SDK](#).

INFO

Both the buyer and seller must approve the 1inch Limit Order Protocol to transfer their tokens.

Supported tokens standards

- [ERC-20](#)
- [ERC-721](#)
- [ERC-1155](#)

Other token standards can be supported via external extensions.

INFO

If you are an enterprise with significant trading volumes, [complete this application](#) so we can assign you a custom API endpoint. The enterprise endpoint will offer significantly better performance across market rates and response times.

Supported networks

- [Ethereum Mainnet](#)
- [Arbitrum](#)
- [Avalanche](#)
- [BNB Chain](#)
- [Gnosis](#)
- [Sonic](#)
- [Optimism](#)
- [Polygon](#)
- [zkSync Era](#)
- [Base](#)
- [\[Linea\] \(https://linea.build\)](#)
- [Unichain](#)

More resources

- To quickly understand how to create, sign, and submit a limit order, see the [Quickstart guide](#).
- For detailed information about each endpoint, refer to the [Orderbook API Swagger section](#).

- Read more about [Limit Order Protocol](#).
- Try directly at [1inch dApp](#).
- Explore the [Limit Order repository](#).
- For integration purposes, check out [Limit Order SDK](#).

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