Articles

Advanced usage for custom protocol integration

The limit-order-sdk can be used not only to integrate with the 1inch Orderbook, but also as a toolkit for building custom trading infrastructure based on the 1inch Limit Order Protocol.

This approach is intended for teams who want full control over how orders are constructed, signed, and filled—independently of the public 1inch backend.

With this scenario, you can benefit from using the following advanced features:

- Manually construct limit and RFQ orders
- Asset evaluation helpers
- Custom execution predicates

Difference between Orderbook API and custom protocol

Feature	Orderbook API	Custom Protocol Integration
Limit orders	✅ Supported	✅ Supported
`permit` field	✅ Supported	✅ Supported
RFQ orders	❌ Not supported	✅ Fully supported
Custom predicates	❌ Ignored	✅ Executed on-chain
`interaction` field	❌ Not accepted	✅ Fully usable
Fee customization	❌ Fixed (protocol default)	✅ Fully configurable

About RFQ orders

A Request for Quotation (RFQ) is a business process where a trader requests a price quote from a supplier for the purchase of specific tokens. RFQ orders are gas-optimized and purpose-built for the needs of professional market makers. They offer lightweight execution with specific constraints:

- Supports expiration time
- Can be canceled by order ID

- Fillable only once
- Allows partial fill (only once)

These characteristics make RFQ orders ideal for real-time, short-lived liquidity provisioning.

Start your custom integration

Explore internals and primitives in the Limit Order SDK repository:

- Limit order
- RFQ order

Previous

‹ Limit orders

Next

Migration from v3.0 to v4.0 ›

Privacy Policy | Terms of Service | Commercial API Terms of Use