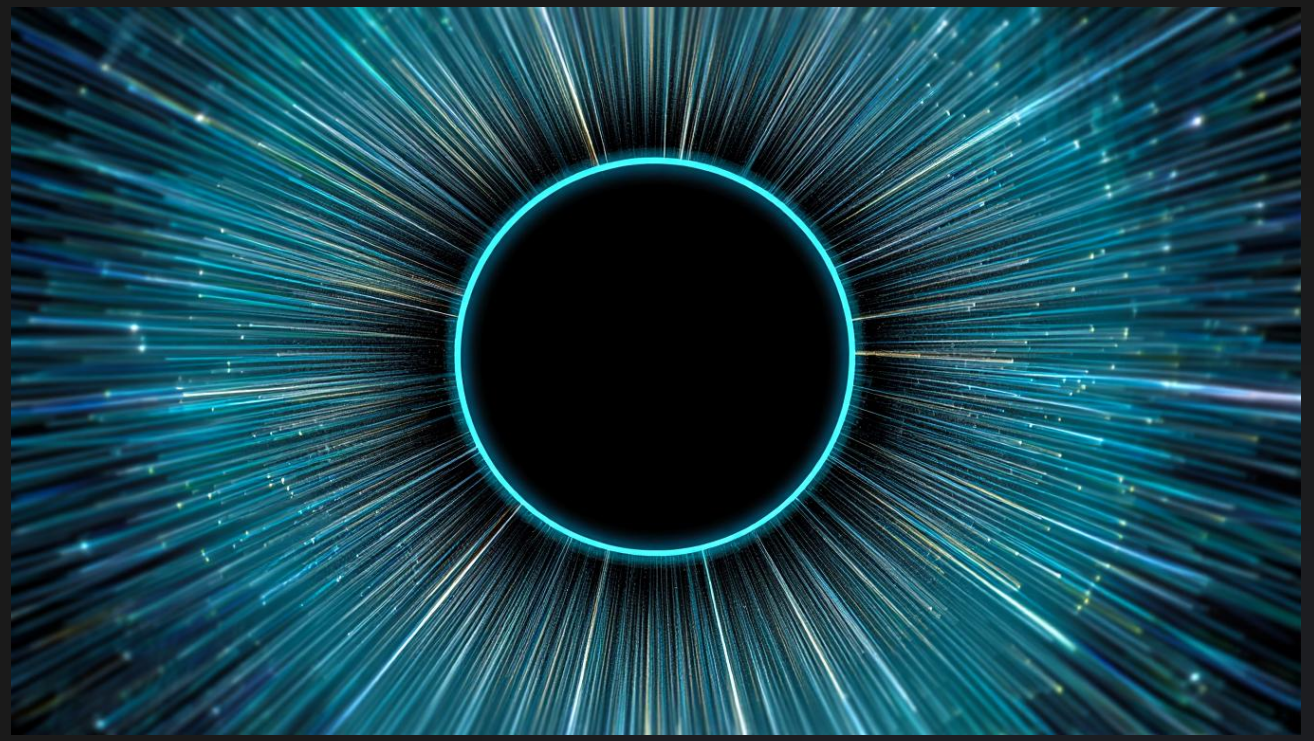

FIX Antenna Python
High-Performance FIX Engine for Electronic Trading

What Is FIX Antenna Python?

- FIX Antenna Python (FA P) is a Python wrapper for the FIX Antenna C++ engine, one of the fastest and most reliable FIX engines on the market.
- It delivers the mature, high-performance FIX capabilities of C++ directly into the Python development ecosystem.
- This gives Python developers the same enterprise-grade FIX performance that financial institutions rely on, with the convenience of Python.



When to use FIX Antenna Python:

- If you are looking for low-latency, production-grade engine for serious trading / gateways, but with Python ergonomics for business logic, test harnesses, and glue code. *“Python front, C++ core”:* *(B2BITS)*
- If you need to work with multiple venues, support custom tags, and have full coverage of all FIX versions.
- FA Python gives you Python development speed on top of the same C++ FIX Antenna engine we use for exchange-grade deployments, advanced socket tuning, and full FIX 4.x/5.0 support.

Competition

QuickFIX (Python), PurePython libs – not optimized for low latency, not designed for 10,000 + messages per second.

More manual work around ops & monitoring, fine for tools, simulators, PoCs; generally, not suitable as a core exchange/broker gateway.

Benefits for Python Developers

Fast Dev & Test

Simplifies test automation, prototyping, and integration workflows significantly.

High Performance

All FIX session processing is handled by the proven, ultra-low latency C++ core.

Reliability

Trusted for years by major exchanges, brokers, banks, and trading platforms.

Business Focus

No need to manage low-level FIX session mechanics manually.

Supported Platforms

Operating System	Python Versions (64-bit)
Windows	3.7 / 3.10 / 3.13
RHEL 9 (Linux)	3.7 / 3.10 / 3.13
Ubuntu 24.04	3.7 / 3.10 / 3.13

If your platform is not listed, B2BITS can provide support or custom builds.

Core Features (Inherited from C++)

- **Broad Protocol Support:** FIX 4.x → 5.0 SP2, FIX Latest, FIXML, FAST, and custom dialects.
- **Ultra-Low Latency:** High throughput suitable for demanding HFT workloads.
- **Advanced Session Management:** Automatic sequence numbers, recovery, persistence, and reconnection.
- **High Stability:** Fault-tolerant design proven in live markets.
- **Security:** Full support for SSL/TLS and encryption.
- **Flexible Configuration:** Powerful message routing and setup options.

Ideal Use Cases

- Algorithmic trading
- Market connectivity and execution gateways
- Order Management Systems (OMS/EMS)
- Certification, simulation, and testing environments
- Regression testing frameworks
- Connecting to brokers, exchanges, ECNs, liquidity providers

Performance

Hardware

FIX Antenna Machine

- Intel(R) Xeon(R) CPU E5-2687 v3 @ 3.10GHz (2 CPU Hyper-Trading Enabled, 20 Cores)
- RAM 128 GB, 2133 MHz
- NIC Solarflare Communications SFC9120 (Firmware-version: 4.2.2.1003 rx1 tx1)
- Linux (CentOS 7.0.1406 kernel 3.10.0-123.el7.x86_64)
- SolarFlare driver version: 4.1.0.6734a

Client Machine

- Intel(R) Xeon(R) CPU E5-2687 v3 @ 3.10GHz (2 CPU Hyper-Trading Enabled, 20 Cores)
- RAM 128 GB, 2133 MHz
- NIC Solarflare Communications SFC9120 (Firmware-version: 4.2.2.1003 rx1 tx1)
- Linux (CentOS 7.0.1406 kernel 3.10.0-123.el7.x86_64)
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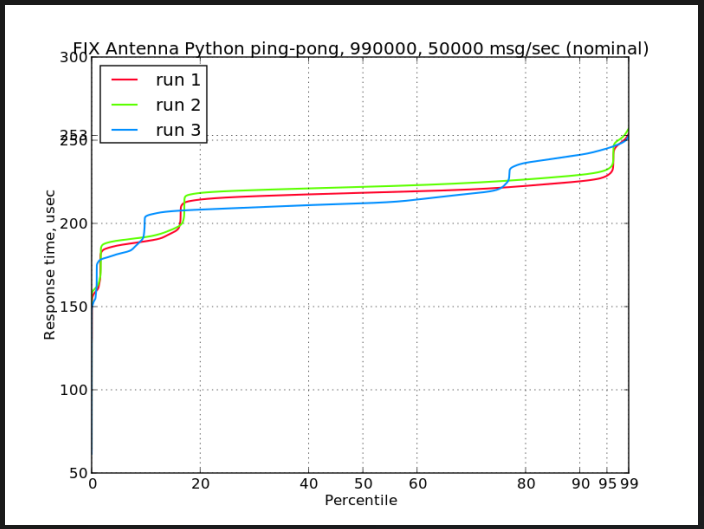

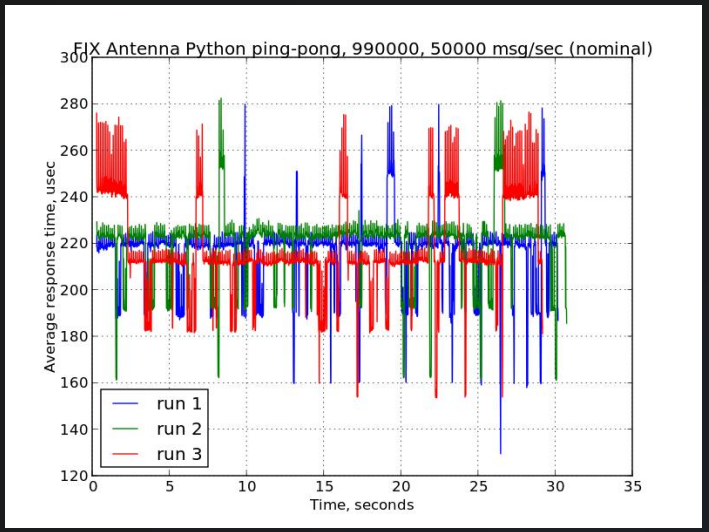

Getting Started

1. Download

Get trial FIX Antenna Python

2. Review

Check the Quick Start and Programmer's Guides.

3. Integrate

Build the library into your trading or testing application.

4. Contact

Reach out to B2BITS for commercial licensing and support.

Compatibility Check

Before you begin, ensure your environment matches the supported configurations:

- Python 3.7 / 3.10 / 3.13
- RHEL 9 / Ubuntu 24.04
- Windows 64-bit

For more information about our product, visit:

FIX Antenna Python

B2BITS FIX Antenna Python Programmer's Guide

Contact us: **sales@btobits.com**