

Connexus[®] Chrono

IPC

synchronize your time across the
world's financial market cities

The Need for Synchronized Time

The regulatory environment has become more stringent. The need for pre- and post-trade transparency grows with each passing year.

The need for synchronized time has been well-documented within the industry. Anyone who trades in the United States or European Union needs reliable, synchronized clock feeds to connect to their trading applications and order management systems. Anyone participating in voice trading needs their T1's/E1's to be reliably clocked to avoid degraded service and needs their Voice Recording and Call Detail Reporting Systems to be synchronized. You need to collaborate with someone you can trust to deliver a dependable and secure service to satisfy the transparency needs of your Compliance team.

Connexus Chrono utilizes atomic clocks and is synchronized to UTC, ensuring that Connexus Chrono provides the same time to you across the globe.

What is Connexus Chrono?

IPC's Connexus Chrono is designed to deliver a reliable, synchronized and traceable time feed.

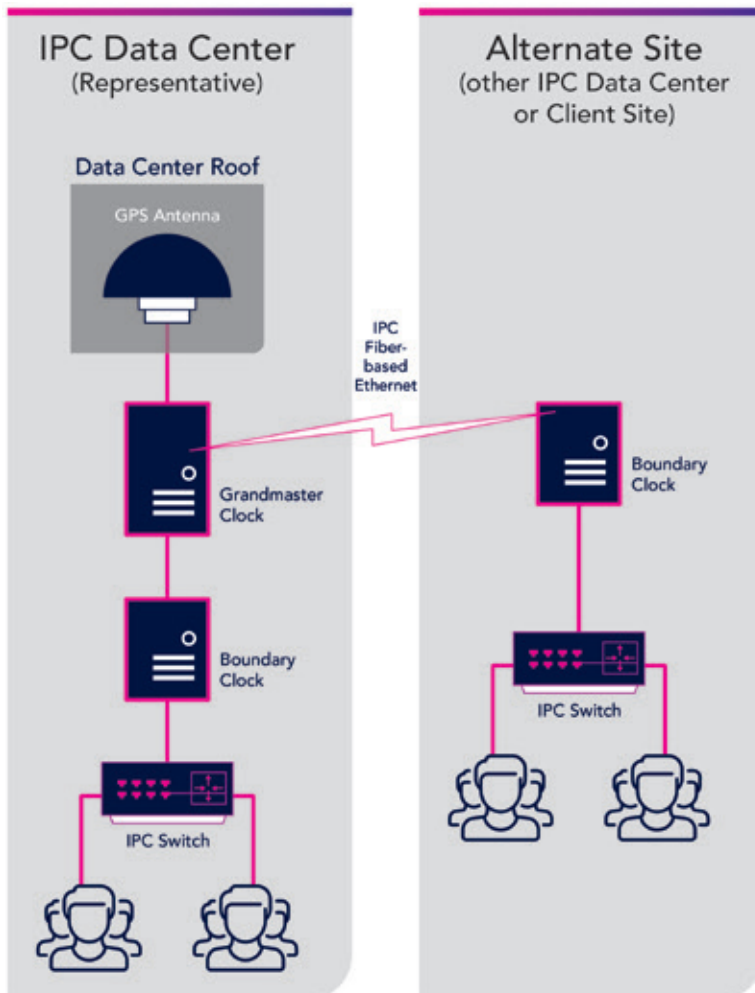
- Globally located, with Grandmaster clocks across three regions.
- Able to be expanded to nearly any data center globally.
- May assist in compliance
 - acceptable for MiFID II RTS-25, SEC Rule 613 and FINRA Rule 4590.
- Three different levels of precision, plus an option for T1/E1 clocking, using either Precision Time Protocol (PTP) or Network Time Protocol (NTP):
 - Connexus Chrono PTP Premium – 1 microsecond
 - Connexus Chrono PTP – 50 microseconds
 - Connexus Chrono NTP – 250 microseconds
 - Connexus Chrono TDM – T1/E1 clocking service
- Time feed can be delivered via cross connect, Connexus Ethernet
- All IPC Grandmaster clocks come equipped with a rubidium holdover oscillator, ensuring up to 5 days of continued running in the unlikely case of GPS signal acquisition issues.
- Additional ability to use IPC for colocation, ensuring the best possible granularity in proximity to a Grandmaster clock.



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Why Connexus Chrono?

- Receive IPC's synchronized time feed to nearly any data center/ colocation facility.
- Colocation is no longer a hard requirement to receive a compliance-suitable time feed, receive a compliance-friendly time feed via Connexus Ethernet (in certain cities).
- Roof access is limited at many of the most popular data centers. IPC offers you synchronized time at these centers.
- Dedicated ports – No conflicts between customers using shared ports off the clock servers.
- Reduction in CAPEX and TCO – No need to purchase and maintain your own costly clocking infrastructure.
- Ability to leverage IPC's vast financial community across our award-winning global network with industry-leading low latency measures, all backed by stringent SLA's.



About IPC

IPC is a technology and service leader that powers financial markets globally. We help clients anticipate change and solve problems, setting the standard with industry expertise, exceptional service and comprehensive technology. With customers first and always, we collaborate with each to understand their individual needs to help make them secure, productive and compliant within our connected community. Through service excellence, long-developed expertise and a focus on innovation and community, we provide agile and efficient ways for our customers to accelerate their ability to adapt to the ever-changing requirements for advanced data networks, compliance and collaboration with all counter-parties across the financial markets.

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