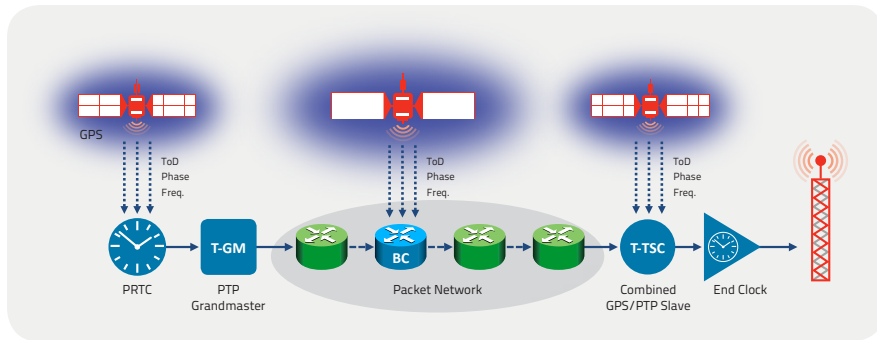


Prove ToD and PTP performance with one box

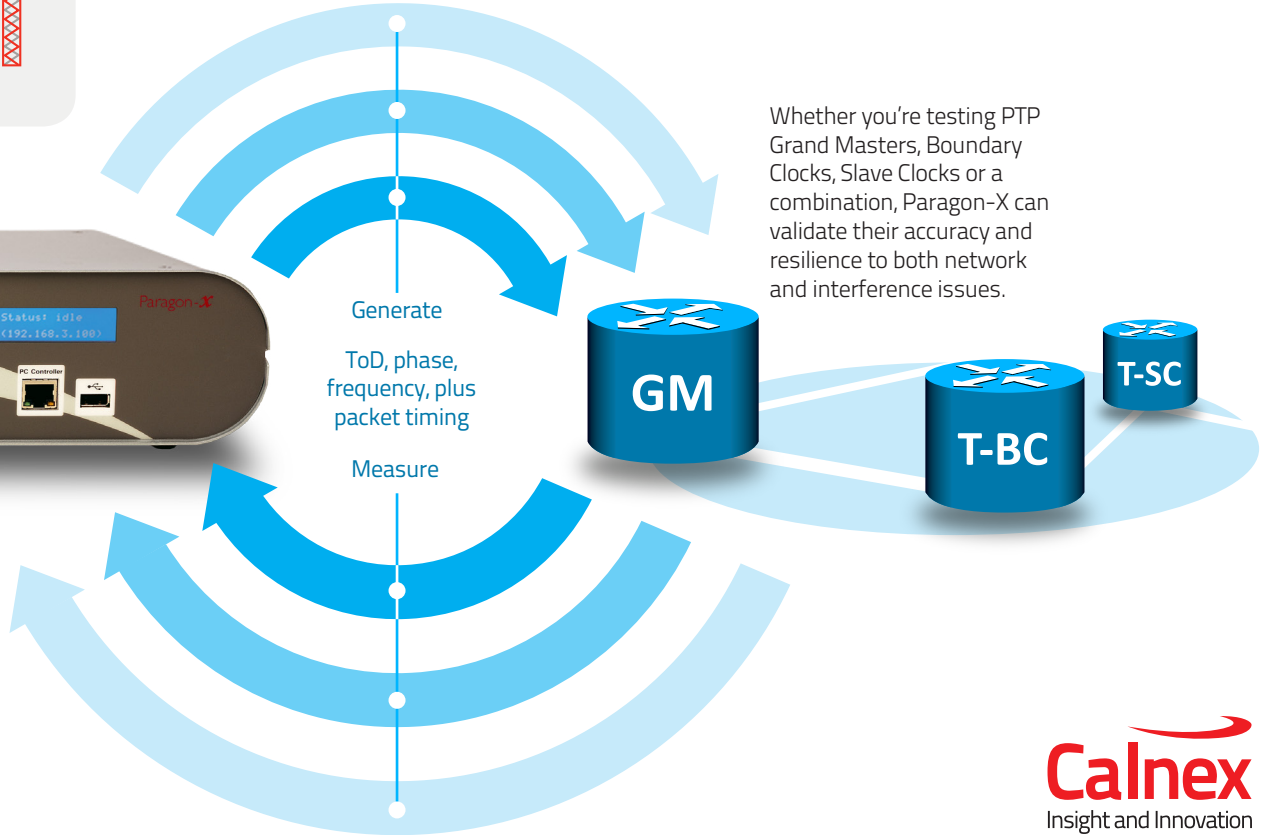
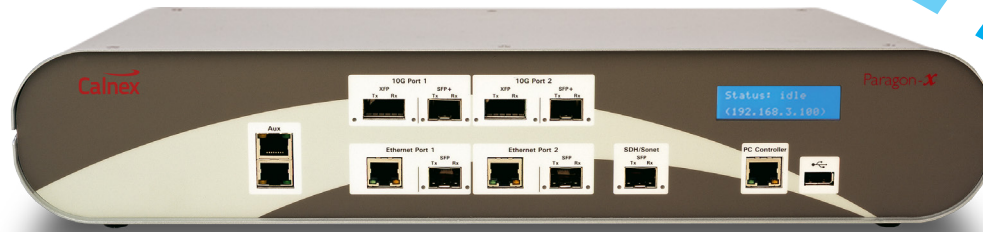
Paragon-X now comes with Time of Day (ToD), phase, frequency and PTP stimulus and measurement for precise timing analysis



New networks, new challenges
Assisted Partial Timing Support (APTS) transfers time/phase using both PTP and GPS. Now you can test network clocks for ToD and PTP performance and compliance to the latest ITU-T standards.

Feature Summary

- Easy graphical analysis and comparison of timing performance
- Unique emulation of GPS ToD (CCSA and NMEA)
- Complete control of ToD message fields
- Fully integrated test bed aligns test stimulus and measurement for increased accuracy and repeatability
- ToD combines with Paragon-X's PTP and SyncE options for fully integrated test



Whether you're testing PTP Grand Masters, Boundary Clocks, Slave Clocks or a combination, Paragon-X can validate their accuracy and resilience to both network and interference issues.

Evaluate the performance of Boundary Clocks and Slave Clocks including:

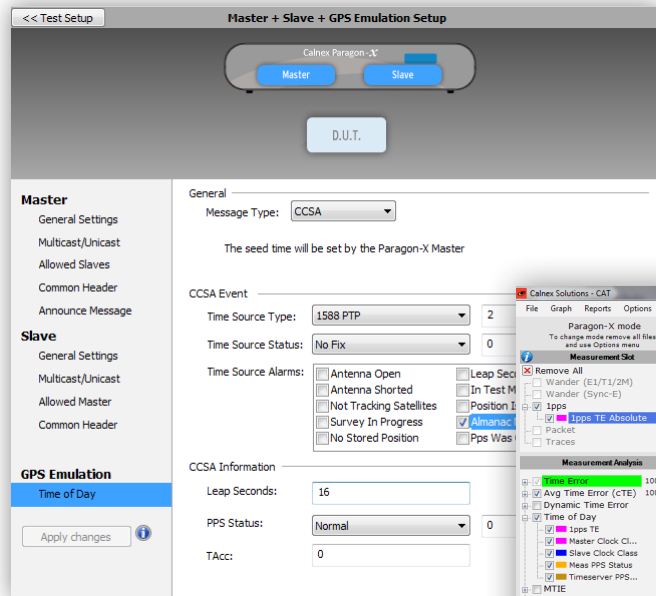
- Timing recovery under various network PDV conditions
- Response to ToD events
- Switching between timing sources
- Performance when switching between timing sources

Verify Grand Master timing accuracy:

- Measure PTP output vs. ToD, Phase and Frequency reference
- Configure and change key ToD fields and see how the GM responds
- Confirm 1588 Clock Class matches ToD
- Compare Leap Second (UTC offset) in 1588 with generated ToD

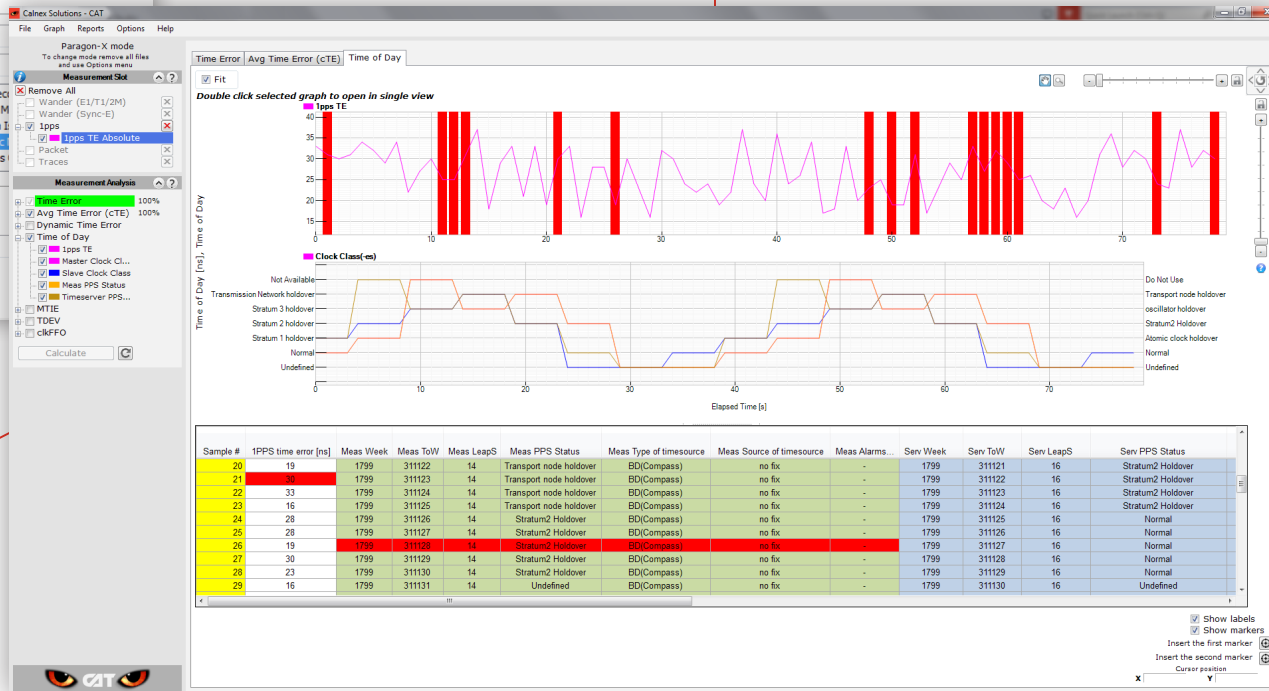
Generate • Decode • Measure

Let the Paragon-X prove your network and equipment satisfies time/phase synchronisation requirements. To find out more, contact Calnex Solutions today:
 e: info@calnexsol.com
 t: +44 (0) 1506 671416



Generate industry standard event and information messages with full control of message format, time source alarms, leap second indicator, PPS status and time accuracy.

Graphical analysis of major time error metrics lets you instantly see device performance and response to stimulus for faster evaluation and troubleshooting.



Align ToD results with other simultaneous measurements for complete performance analysis.

Full decode of significant fields in ToD messages lets you rapidly identify and pin down timing errors and alarms.

calnexsol.com

Calnex Solutions Ltd
 Herkimer House
 Linlithgow EH49 7SF
 United Kingdom

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