

Net Insight launches Zyntai TimeNode Access for resilient timing at distributed edge sites

Stockholm, Sweden – September 22nd, 2026 – Net Insight today announced Zyntai TimeNode Access, a compact, access-optimized PTP Grandmaster designed to bring resilient timing to distributed edge sites over existing packet infrastructure. Built for 5G, media, power and other mission-critical networks, it combines local GNSS with secure, network-delivered timing without requiring the underlying access network to be PTP-aware.

For many mobile and critical infrastructure operators, distributed sites are connected over leased, third-party or non-PTP-aware transport, making conventional network-based backup to GNSS costly or impractical. Zyntai TimeNode Access removes that barrier by carrying secure, precise time across existing packet infrastructure and establishing standards-based PTP locally at the edge site. This enables operators to strengthen GNSS resilience without redesigning the access network.

Zyntai TimeNode Access complements Net Insight's existing Zyntai portfolio with an access-optimized platform for much denser distributed deployment. By making resilient timing practical across large numbers of edge sites, it broadens where the Resilient Time Platform can be deployed and expands the commercial opportunity across mobile, media, power and other critical infrastructure networks.

"The challenge is not getting precise time to one site, but doing it reliably and economically across thousands of distributed locations," said Per Lindgren, Head of Sync at Net Insight. "Operators should be able to add an independent timing source without turning resilience into a network-wide transport upgrade. Zyntai TimeNode Access makes that practical at the access edge."

Key capabilities include:

- **Resilient time transfer:** Four Time Transfer sessions with regional routing, multilink synchronization and TLS/AES encryption and authentication.

- **GNSS resilience options:** Multi-constellation GNSS support across the product family, with TN2020M adding L1/L5 multiband reception, OSNMA authentication, jamming detection and advanced spoofing detection and mitigation.
- **Standards-based PTP delivery:** Up to 512 PTP clients at full message rate, with support for multiple profiles simultaneously.
- **Broad standards support:** ITU-T telecom PTP profiles alongside SMPTE ST 2059-2, AES67, IEEE C37.238 and IEC 61850-9-3 for telecom, media and power applications.
- **Flexible synchronization:** 10G/GbE connectivity together with SyncE, PPS, 10 MHz and NTP.
- **Access-optimized design:** Passive cooling, dual DC input and PoE Type 3 in a compact 40 × 219 × 181 mm enclosure.
- **Centralized timing visibility and SLA monitoring:** Integration with Zyntai Director provides centralized visibility into timing sources, synchronization status and network timing performance across distributed sites, supporting SLA-based operations.

Built for large-scale deployment, Zyntai TimeNode Access can scale to tens of thousands of devices managed through a single orchestration system, reducing manual configuration and enabling operators to manage timing as a network-wide service rather than site by site.

Zyntai TimeNode Access will be offered in two models for different deployment needs. TN2020 is optimized for broad, cost-efficient access deployment, while TN2020M is designed for sites where stronger local GNSS robustness and assurance are required. Both use the same Zyntai network-based timing architecture, allowing operators to choose the level of GNSS capability and assurance required at each site.

Together, the two models extend Net Insight's Resilient Time Platform to the access edge, allowing operators to match network-delivered timing and local GNSS capability to the resilience requirements of each service and site.

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About Net Insight

Net Insight (Nasdaq: NETI B) provides high-performance solutions for live media transport and resilient time synchronization. Through its Nimbra and Zyntai platforms, Net Insight helps media companies, network operators and critical infrastructure providers deliver and synchronize services across increasingly distributed and heterogeneous network environments.

For more than 25 years, leading media providers worldwide have relied on Net Insight's Emmy® Award-winning Nimbra technology for secure, reliable media transport and synchronization across IP networks. Building on this experience, Net Insight's Zyntai Resilient Time Platform brings precise, assured timing to mobile and critical networks, combining GNSS with network-delivered synchronization across existing IP/MPLS, leased and non-PTP-aware infrastructure. Its open and disaggregated architecture enables operators to reduce dependence on any single timing source while extending resilient synchronization from the network core to distributed edge sites.

For more information, please visit <https://netinsight.net/sync/>

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Image Attachments

[Zyntai TimeNode Access 1920x1080](#)

Attachments

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