

CTSS - Cluster Time Sync Service

With the b-plus Cluster Time Synchronization Service (CTSS) and the modified PCIe x1 Card a standard PC becomes a „Time-Aware End Station“ according IEEE Std 802.1AS-2011.

Time synchronization

- gPTP - IEEE Std 802.1AS-2011
- hardware based time stamping
- synchronization accuracy in nano seconds

Master & Slave operation

- Automatic Master Clock negotiation with Best Master Clock Algorithm in Slave Mode
- System time or internal Ethernet Clock as Working Clock in Master Mode

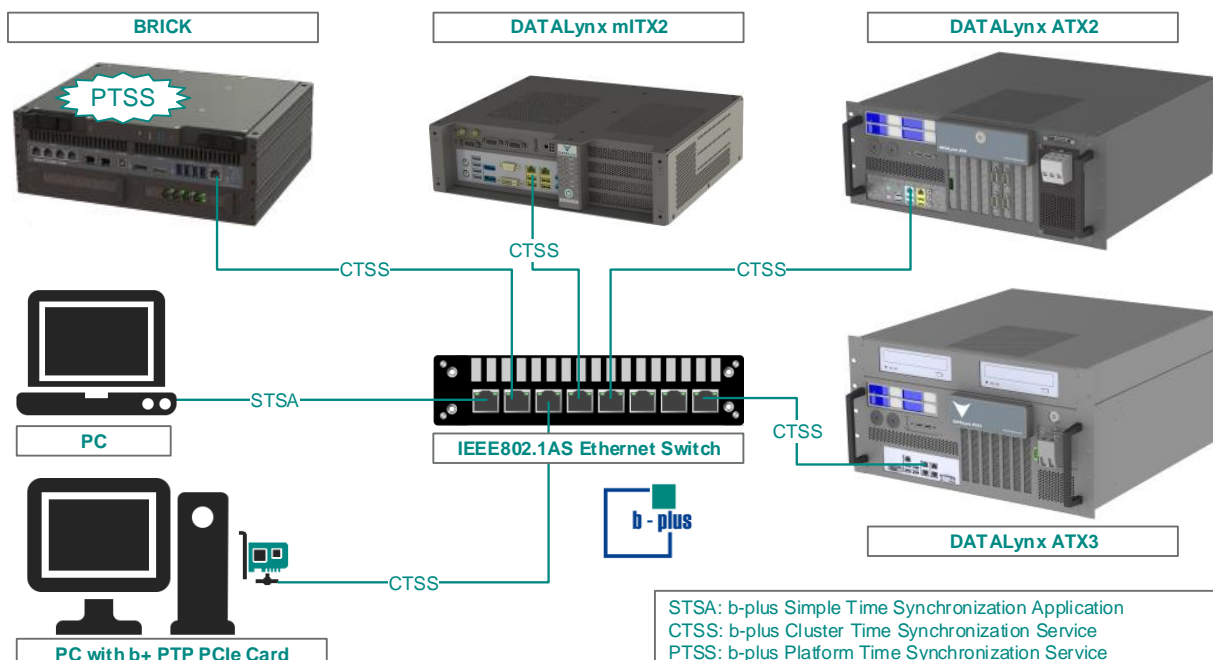
Software package for easy implementation

- Simple API integration to access multiple XTSS functions
- SDK with examples for Client API usage



Figure 1: PCIe x1 Ethernet Card with CTSS License

Schematic for a PTP network



Name

Order Number

Description

CTSS Timesync i210
PCIe x1 Set

B21583-CTS-001-0001

Cluster Time Sync Service Ethernet Card to synchronize several systems based on IEEE Std 802.1AS-2011 including:

- Intel® i210 Gbit PCIe x1 Ethernet Card with PTP capable NDIS driver
- WinPcap based API as DLL
- Configuration Utility for the system service and Windows Demo Client

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