

PrecisionPTP PCI/OEM Card

PRODUCT BRIEF - Preliminary

Overview

The Korusys PrecisionPTP PCI/OEM Card is a standard PCI card with the ability to deliver highly accurate time and synchronisation via the IEEE 1588-2008 protocol.

The card comes complete with Windows drivers, a user GUI and a set of API calls that allow the user to control the card functions.

The unique characteristic of the Precision PTP card is its excellent synchronisation performance over a wide variety of networks and network loading conditions. Uniquely it has passed the stringent performance requirements of the G.8261 Telecom Synchronisation standard

If the performance of your application is directly affected by the accuracy of the synchronisation then PrecisionPTP is the solution.

Features

- IEEE1588-2008 compliant
- Accurate hardware timestamping
- Master and/or Slave mode cards available
- Meets stringent performance requirements of G.8261 Telecom Standards
- Highest accuracy IEEE1588 implementation of any card on the market.
 - Excellent performance over even highly congested networks
 - Time accuracy of up to 10 nS
- High performance oven controlled oscillator.
- Acts as a standalone powered OEM card in addition to its PCI application.
- Plug and Play operation with simple GUI
- Software API provided to allow for simple user programming of the card.
- Class leading Clock recovery algorithm runs on the card – no PC processor load

- 4 General Purpose I/O's which can be User defined as Triggers / Events / Frequencies - to record timestamps when a trigger is detected or to generate events at specific moments in time, or to generate a specific frequency locked to PTP time.
- Operates on a standard (5V or 3.3V) PCI slot or can work standalone as an OEM card under external power.

Applications

Typically used in industrial and telecom applications where high accuracy synchronisation is required.



Fig. 1 : PrecisionPTP Card

Ordering Information

The PrecisionPTP Slave PCI/OEM card will be available in 1st Quarter 2010

To order, or for enquiries, please contact us :

Email : enquiries@korusys.com

Address : Korusys Ltd
2 Venture Road
Chilworth Science Park
Southampton
SO16 7NP

Phone : +44 (0)844 5041680