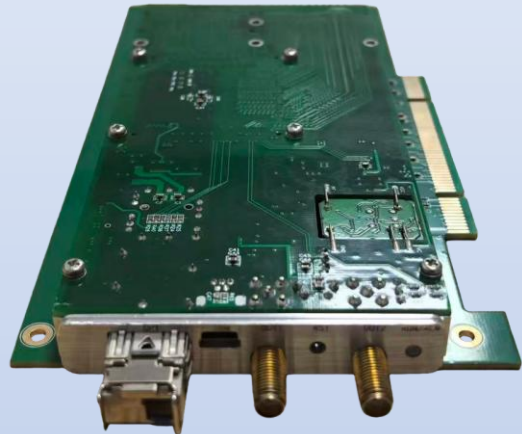


PCI/PCIE timing card- TFT 1005

The TFT1005 timing card is installed in the data server to generate interrupt events or timestamps with a precision of less than 10ns for the data server. The TFT1005 must be used in conjunction with the TFT3001, where the TFT3001 time server provides time synchronization to the TFT1005 via the ground Beidou fiber timing protocol. The TFT1005 timing card provides precise time services to applications through a standard application programming interface (API), offering programmable interval time periodic interrupt-driven events and timed interrupt-driven events to meet the needs of users for secondary software development in specific application fields.



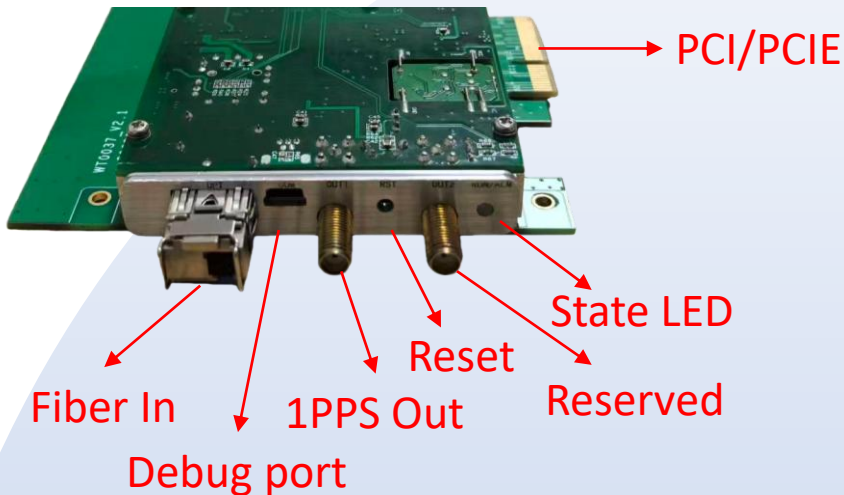
PCIE card



PCI card

Hardware Interface

- 1*PCI/PCIE interface;
- 1*Fiber in;
- 1*Debug port
- 1*1PPS Out



The timing card accompanied software:

The TFT1005 time synchronization card driver management software is mainly composed of three parts:

- 1) Driver Software: Implements high-precision time synchronization card device control and management;
- 2) Application Programming Interface (API) Library: For user secondary development;
- 3) Demo Program: Demonstrates to users how to use the interface library and showcases the functions of the interface card.

Application case

The TFT1005 must be used in conjunction with the TFT3001, where the TFT3001 time server provides time synchronization to the TFT1005 via the ground Beidou fiber timing protocol.

