

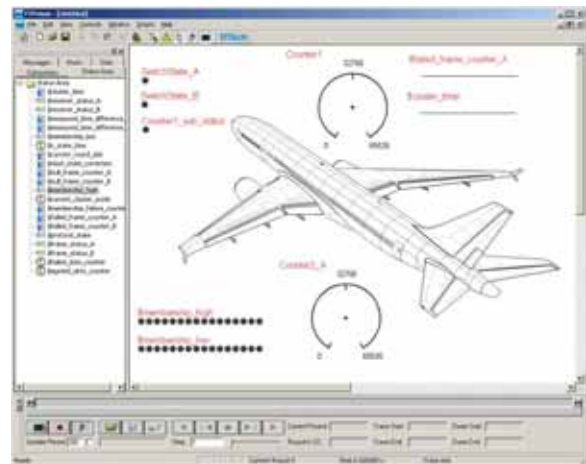
# TTPView

*The TTP Real-Time Monitoring Tool*

TTPView is a comprehensive tool for high-speed bus monitoring. A broad range of flexible configurable visualization instruments enables the user to build specific views of the monitored cluster. An easy-to-use graphical user interface allows on-line tracing, recording, and playing back of TTP® traffic on a computer. Real-time triggers, export of recorded data and a powerful scripting language to automate tasks and process message data make TTPView the first choice for TTP monitoring.

## KEY FEATURES/BENEFITS

- Fast verification of a TTP network
- Intuitive visualization of network traffic
- Quick debugging of application data
- High-speed bus monitoring
- Tracing, recording, and play-back
- Easy-to-use graphical user interface
- Powerful scripting language
- Export of data



## Basic Features

TTPView imports the complete cluster design information, including messages, nodes, slots, and subsystems, from TTPPlan. It displays all relevant information in a hierarchical browser. When these items are dragged to the view window, a visualization instrument appears. A broad variety of visualization instruments and configuration options is supported. The graphical user interface provides easy navigation and browsing through logged data. In addition, batch mode (command line) execution enables the integrated automation of regression test environments.

TTPView collects all information via TTPMonitoring Node, which is tightly synchronized with the cluster. The second interface of the TTPMonitoring Node is connected to the computer via standard Internet protocols, thus supporting Windows-based workstations and laptops.

## Real-Time Monitoring, Logging and Analysis

Great emphasis has been placed on the real-time capabilities of TTPView. It allows recording all real-time data on disk. This enables the user to make detailed offline analysis and to search for points of interest. Triggers can be set to automatically find significant events in the real-time data stream and to start (or stop) data recording. Furthermore, all or any subset of the recorded data can be exported in various formats, so it can be processed by spread sheet programs or other validation tools. For this purpose, TTPView offers a programming/scripting interface. These features ease analysis and debugging as well as customization and automation of TTPView.

All collected data are displayed in a truly synchronous fashion, based on the access scheme of TTP. This facilitates the analysis of complex interrelationships among the messages.

## Functionality

- Real-time monitoring and logging to file
- Navigation and zooming for trace data
- Access to cluster design data base
- Triggers to start and stop recording and stop monitoring depending on user-defined conditions
- Unpacking bus messages
- Ethernet connection to <sup>TTT</sup>Monitoring Node via standard Internet TCP/IP protocol
- TTP multiplexing support
- Handling of redundant message instances
- Support for array-type messages
- Easy-to-use graphical user interface with drag-and-drop
- Hierarchical object browser
- Multiple views
- Variety of visualization instruments
- User-defined background images
- Flexible configuration of views
- Flexible data export
- Batch mode execution
- Flexible programming/scripting interface (Python)
- Support for austriamicrosystems AS8202NF TTP communication controller

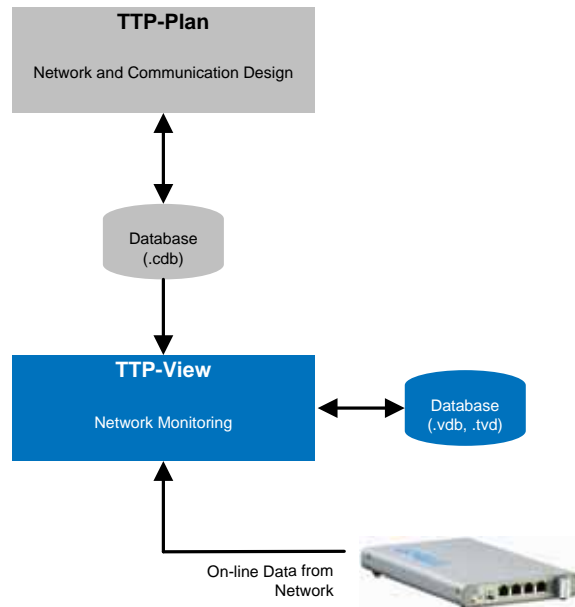
## System Requirements

- Standard PC with Windows XP; 1.5 GHz or above; 1 GB RAM
- 100Base-TX to link to <sup>TTT</sup>Monitoring Node for TTP controllers based on C2 model
- TCP/IP required

## Related Products

<sup>TTT</sup>View needs a cluster design database from <sup>TTT</sup>Plan

<sup>TTT</sup>View requires a <sup>TTT</sup>Monitoring Node. The <sup>TTT</sup>Monitoring Node is a gateway between TTP and Ethernet and provides the data to <sup>TTT</sup>View.



## Order Number

- S04.00.6: <sup>TTT</sup>View  
M04.00.00: 1 year software maintenance service

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