



TimeMonitor 5.0 System Release Notice

Introduction

Thank you for choosing Microchip as your solution provider for synchronization measurement analysis.

The Microchip TimeMonitor Software is a suite of software applications for synchronization measurement and analysis. The centerpiece application, TimeMonitor Analyzer is an advanced synchronization analysis tool with the ability to import and analyze data from a number of sources. These include dedicated precision time and frequency test equipment used in networks and labs throughout the world, GNSS-based source and distribution equipment capable of making measurements, packet timing data using timestamped IEEE 1588 or NTP packets, and counters using the companion TimeMonitor Measurement application.

TimeMonitor consists of the following software:

- TimeMonitor Analyzer
- TimeMonitor Measurement
- TimeMonitor PDV
- TimeMonitor Retrieve
- TimeMonitor TSC
- TimeMonitor Viewer
- TimeMonitor Watch
- TimeMonitor XLi

This document provides information about Version 5.0 of Microsemi's TimeMonitor Software p/n 990-46120-99. The User Guides for TimeMonitor are included along with the software.

New Features

TimeMonitor Analyzer has been expanded and upgraded including::

- An extensive expansion of two-way packet analysis tools
- Support for SyncServer S650, TP4100, 4380A, and TimeScale measurement data added
- Simulation modulation expanded to include sine, square, triangle, sawtooth, and trapezoid modulation
- Mechanisms for using interpolation for resampling and filling sampling gaps
- Hadamard deviation calculation added
- Expanded digital filter capabilities
- Greatly expanded command line functionality

New application added, TimeMonitor Viewer

CD of software and documentation has been replaced by the TimeMonitor Download Instruction Sheet that will be shipped to the customer along with the USB key token

Known Issues

Current Issues

There are no outstanding issues or problems with the TimeMonitor 5.0.

Previous Issues

There are no outstanding previous issues or problems from previous releases of TimeMonitor.

System Requirements

The following are the recommended minimal requirements to support this product:

- Operating Systems:
 - Windows 10 (recommended)
 - Windows 8
 - Windows 7
- 2 GB RAM
- 100 GB Free Disk Space

Installing The TimeMonitor Applications

Use the following procedure to install TimeMonitor software applications. The TimeMonitor applications can be installed and used independently.

The applications will run in demo mode unless activated by installing the USB port key for TimeMonitor in the appropriate port of the computer. The Sentinel SuperPro Driver software must be installed prior to inserting the port key in order to properly read the port key. See the Installing Sentinel SuperPro Driver Software procedure.

1. Open the TimeMonitor Analyzer folder and run "Microchip TimeMonitor Analyzer.exe".
2. Open the TimeMonitor Measurement folder and run "Microchip TimeMonitor Measurement.exe", if desired.
3. Open the TimeMonitor Retrieve folder and run "Microchip TimeMonitor Measurement.exe", if desired.
4. Open the TimeMonitor PDV folder and run "Microchip TimeMonitor PDV.exe", if desired.
5. Open the TimeMonitor TSC folder and run "Microchip TimeMonitor PDV.exe", if desired.
6. Open the TimeMonitor XLi folder and run "Microchip TimeMonitor PDV.exe", if desired.
7. Open the TimeMonitor Watch folder and run "Microchip TimeMonitor Measurement.exe", if desired.
8. Open the TimeMonitor Viewer folder and run "Microchip TimeMonitor Measurement.exe", if desired.

Installing Sentinel SuperPro Driver Software

The Sentinel SuperPro Driver software must be installed prior to inserting the USB port key in order to properly read the port key. After this key driver software has been installed per the following procedure, the USB port key may be attached.

For the Windows 10 operating system:

1. Open the SentinelSuperProDriver folder Run "Microchip TimeMonitor Analyzer.exe".
2. Run "Sentinel System Driver Installer 7.5.9.exe".

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- Technical Support

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