

Application Note 021
Version 001
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History-Charting-Only SCADA System – Computer Configuration

This document describes the installation process for NRI's History-Charting-Only SCADA System. System requirements are a WindowsXP Professional, Windows 7 Professional, or greater computer. The computer should be equipped with an RS-232 serial port, which may be either internal (PCI or PCIE) or external (USB).

1. The SERIAL PORT should be configured for minimal UART buffering via the menu:

COMPUTER > PROPERTIES > DEVICE MANAGER

2. The computer POWER PROPERTIES should be configured for HIGH PERFORMANCE, so that the computer will not go to sleep or hibernate during long periods of keyboard inactivity.
3. The computer clock should be configured for the correct DATE, TIME, and TIME-ZONE.
4. The computer should be configured to boot up automatically into the main User Account:

Run: NETPLWIZ

5. The FILE STRUCTURE should be created for SCADA:

c:\wistar
c:\wistar\bin\ (populated by WinCom64.exe, History.exe, and .WAV Sound Files)
c:\wistar\sys01\
c:\wistar\fixhistory\
c:\wistar\sys01\realtime
c:\wistar\sys01\geometry
c:\wistar\sys01\status
c:\wistar\sys01\cache

6. The STARTUP Folder should be populated with the following two (2) programs:

c:\wistar\bin\WinCom64.exe /LR /Q /NOALARM
c:\wistar\bin\history.exe ADDR 0 0 c:\wistar\sys01\

7. WinCom64.exe should be initialized by entering the polling and routing information.
8. As a SECURITY PRECAUTION, the computer should NOT be connected to the Internet, unless directed by NRI.