Application Note 001
Version 001
15 Sep 2014

Computer Preparation

1. Select OFFICE NETWORK

2. Set Time & Time Zone

3. Set Serial Buffers to Minimum (Device Manager)

   IF USING STARTECH PCIE SERIAL CARD...
   PORT SETTINGS:
   SET RS-485
   SET ACTIVE LOW (XR17V35x)
   SET TX FIFO TRIGGER TO 1
   SET RX FIFO TRIGGER TO 1
   DO THIS FOR BOTH PORTS!!!!

4. Allow Remote Desktop Connections.
   (From any version of Remote Desktop).

5. Set power options to always ON. (HIGH PERFORMANCE)

6. Updates: Download Automatically. Manual Install.
   Give "Recommended Updates" Same As "Important Updates".

7. Set www.wireless-telemetry.com as home page.

8. Set auto-login
   run command prompt as admin:
   netplwiz

9. Install PERL.

10. Modify path to include perl:
    path=%path%;c:\perl\bin

    - From the desktop, right-click My Computer and click Properties.
    - In the System Properties window, click on the Advanced tab.
    - In the Advanced section, click the Environment Variables button.
    - Finally, in the Environment Variables window (as shown below), highlight the Path variable in the Systems Variable section and click the Edit button. Add or modify the path lines with the paths you wish the computer to access. Each different directory is separated with a semicolon as shown below.

11. Install PERL Modules.

12. Set up file explorer windows to always display file extensions:
    control panel -> appearance and personalization -> folder options ->

13. Firewall Config:
    Allow httpd.exe and RDP and WinCom64.exe and WiSTAR64.exe as exceptions.

14. The FILE STRUCTURE should be created:

    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

15. 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\

16. WinCom64.exe should be initialized by entering the polling and routing information.

17. As a SECURITY PRECAUTION, the computer should NOT be connected to the Internet, unless directed by NRI.