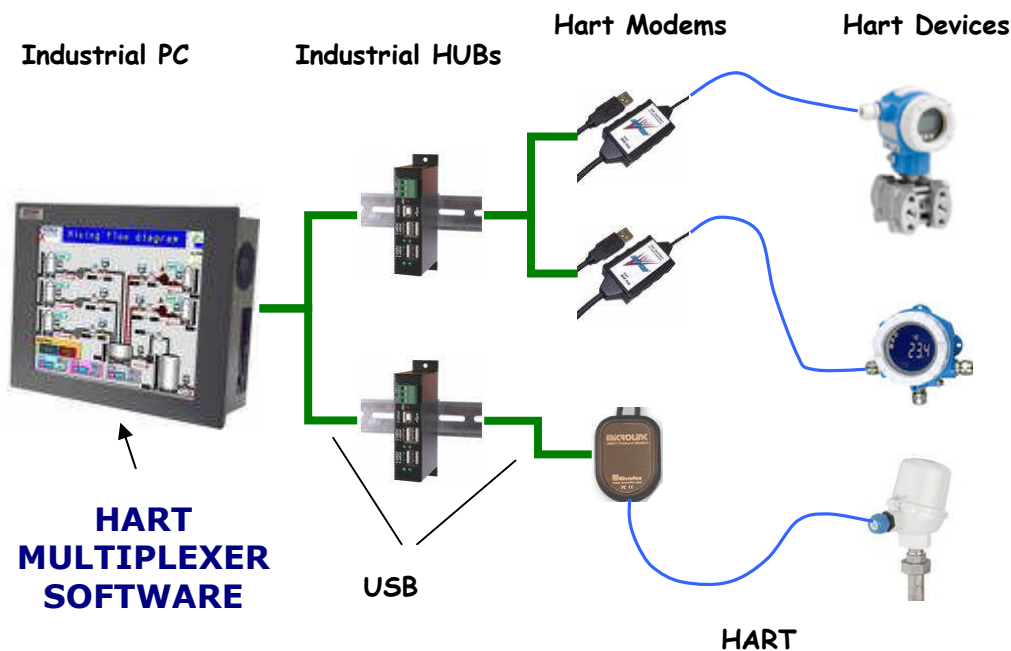


HART Multiplexer Software

Up to 100 Measurement Values Simultaneously within less than 1 Second

Overview

- Windows XP, Windows Vista, Windows 7
- Microsoft .NET 2.0
- USB Hart Modems, USB HUBs
- C++, C#, VB, Excel
- Hart Devices Version 5 through 7.2



The picture above shows how the multiplexer software is used for very high speed communication. The proprietary hardware of the multiplexer is replaced by standard hardware namely a Industrial PC, USB HUBs and Hart USB MODEMS.

Traditional Multiplexers are using an RS232 or an RS485 interface to the PC which is rather slow. The concept above is using USB 2.0 thus providing much more bandwidth for the communication functions.

The multiplexer software is using the HartDLL. For each device a separate instance of the DLL is loaded thus providing a Hart protocol state machine for each device. Each instance of the DLL is running it's own thread that they are working all in parallel. This is the reason for the high speed of the system.

The Hart multiplexer software is a solution which enables the user to realize data acquisition system by using almost standard components. In addition the presented system is one of the fastest Hart systems ever existing.

More Information: <http://borst-automation.com>.