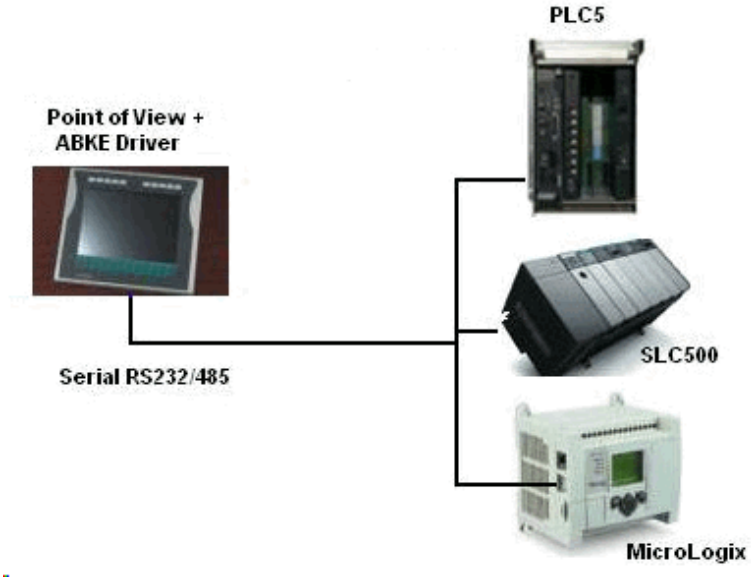
Introduction

This document describes all the possible ways to interact a Point of View application to the Allen Bradley Networks.

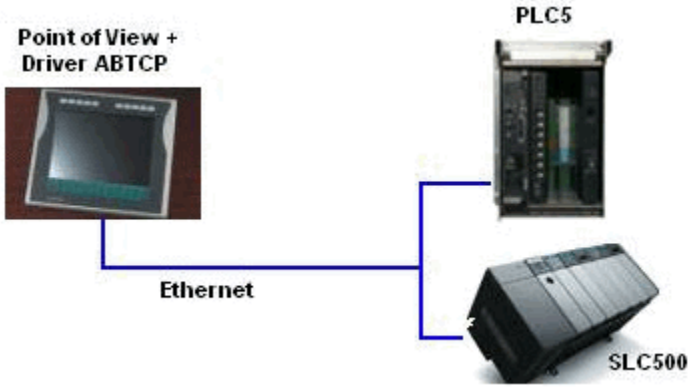
1.) Native Ethernet/Serial Drivers – Compatible with WinCE/XP/XPe/2000/2003

We have the following drivers that do not need any additional specific PC-card:

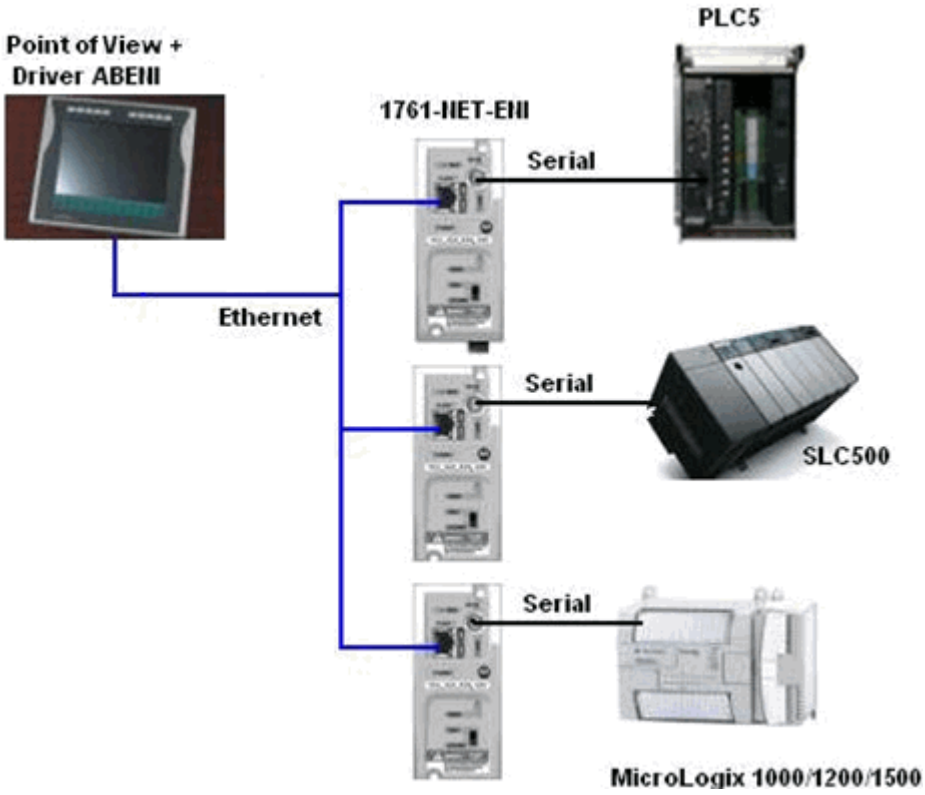
1.1) ABKE: This is a serial Driver that implements the **DF1** protocol and communicates with the families **PLC2, PLC3, PLC5, SLC500** and **MicroLogix 1000/1100/1200** and **1500.** The only requirement is the correct serial cable (usually a Null-Modem cable for PLC5, SLC and MicroLogix 1500 Channel 1, and a 1761-CBL-PM02 for the other MicroLogix 1000/1100/1200 and 1500 Channel 0).



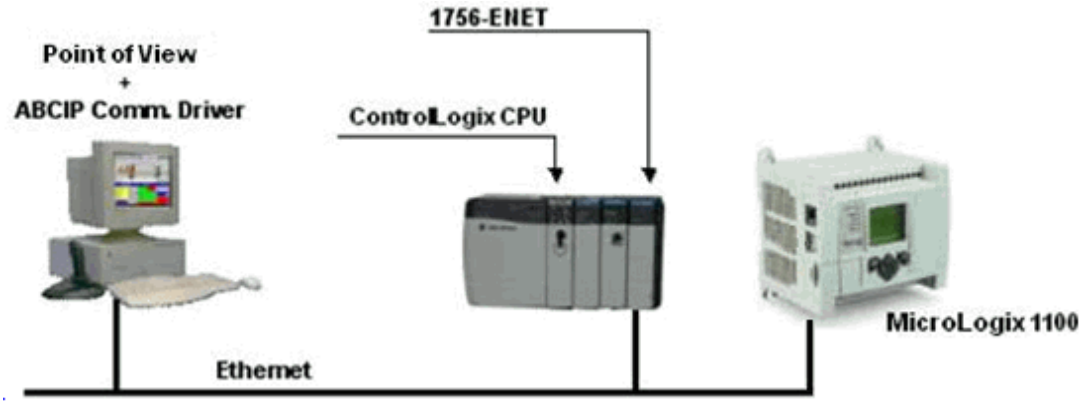
1.2) ABTCP: This driver implements the Allen Bradley **DF1** protocol, and it communicates with the PLC5 and SLC500 families using the Ethernet card usually embedded in the CPUs such as **PLC5/40e**, **PLC5/80e**, **SLC5/03** and **SLC5/05**.

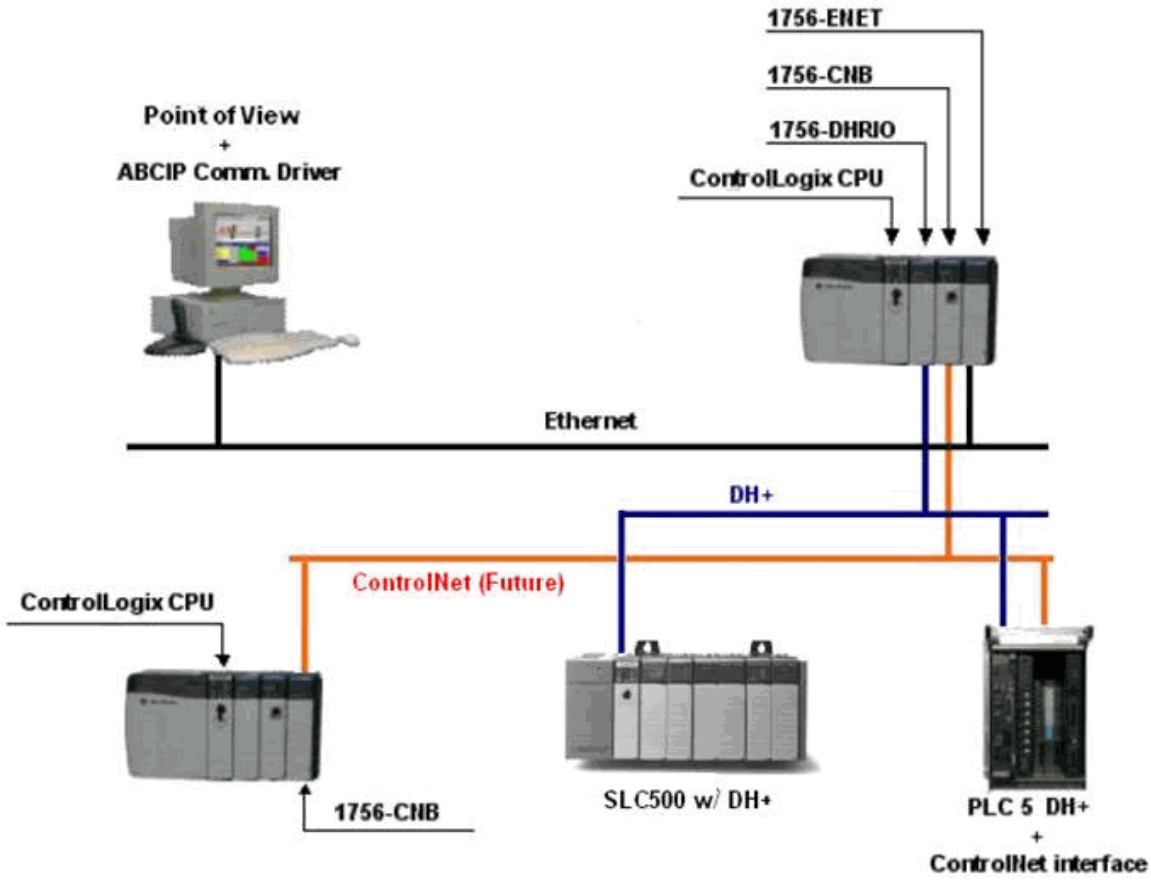


1.3) ABENI: This driver implements the DF1 over Ethernet/IP used with the Allen Bradley 1761-NET-ENI Bridge, which converts Ethernet/IP Communication to Serial DF1 for the families PLC5, SLC500 and MicroLogix 1000, 1200 and 1500.



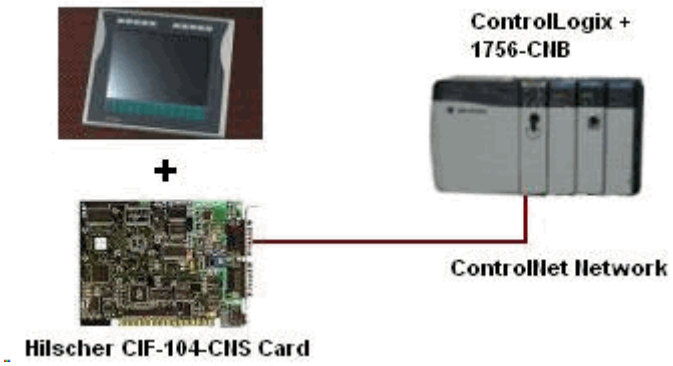
1.4) ABCIP: This driver implements the protocol **CIP** over **Ethernet/IP** and it is used with the **5000 Logix** Family (**ControlLogix, FlexLogix, CompactLogix)** and **MicroLogix 1100.** This driver also supports Routing making it really flexible with the different AB PLCs. Please refer to the ABCIP.pdf driver document for a detailed description for this feature.



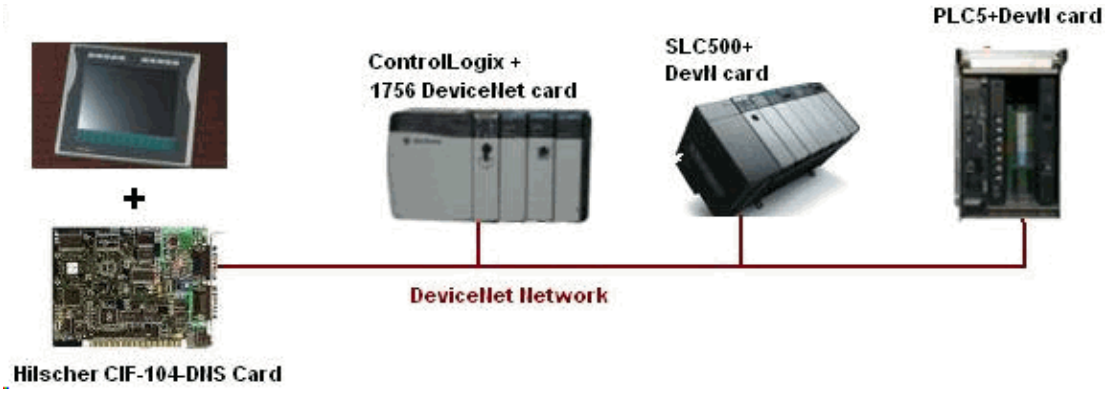


2.) Proprietary networks compatible with WinCE XP/XPe/2000/2003: DeviceNet and ControlNet

2.1) CNS: This driver implements the **ControlNet** slave using **Hilscher SMS-CIF104-CNS** PC card. This card has its firmware compiled also for WinCE and it has in the PC-104 format. So, in this case, you would need to install the Hilscher card CIF-104-CNS on your WinCE panel and this is will be a slave in the ControlNet Network.



2.2) DEVN: This driver implements the **DeviceNet** slave using **Hilscher SMS-CIF104-DNS** PC card. This card has its firmware compiled also for WinCE and it has in the PC-104 format. So, in this case, you would need to install the Hilscher card CIF-104-DNS on your WinCE panel and this is will be a slave in the DeviceNet Network.



3.) Proprietary AB networks compatible with WinNT/2k/XP/XPe/2003 only: DH+ and RIO

3.1) SSTDH: This driver implements the **DH+** protocol to the families PLC5 and SLC500 using the **SST 5136-SD-104 or SST-DHP-PC** PC cards.

3.2) STRIO: This driver implements the AB **Remote I/O** protocol Scanner Mode to the family PLC5 using the **SST**

5136-SD-104 card, implementing both the I/O and the Block Transfer.