Introduction

This document describes all the possible ways to interact an InduSoft Web Studio or CEView 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 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.

![Diagram of InduSoft CEView+ Driver ABENI](image)

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.

![Diagram of InduSoft Web Studio + ABCIP Comm. Driver](image)

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
4.) Special Case: DH+ over Windows CE

If you really need a solution for DH+ for WinCE, you can use our ABKE driver in conjunction with a DF1-DH+ converter:
http://www.protocolconverter.com/products/dl3000kfx.html

Map of Revision

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<td>A</td>
<td>Andre Bastos</td>
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