BNCS Device Drivers

Atos IT Solutions and Services

BNCS

Axon GPI Protocol Driver

Axon_GPI_Protocol.dll

Protocol Dll for the GPI Driver.

Originally by Simon Armstrong

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1 Overview

1.1 Description

This dll can be used with the GPI Driver.

This dll can communicate with CGP4848 Axon 48 In and 48 out gpi box.

1.2 Device setup

Place the GPI_Soft.dll into the folder bncs/yoursystem/windows/libs.

2 Configuration

2.1 Introduction

Only instances is needed specifically for this dll, although databases should be used as described in the GPI Driver documentation

- Instances.xml

2.2 Instances.xml

An instance for the Axon device will look something like this.

```
<instance composite="yes" id="16/GPI011" type="CGP4848" alt_id="STD 6
Axon GPI 1" address="10.253.69.221" protocol="Axon_GPI_Protocol"
inputs="48" outputs="48">
        <group id="inputs" instance="16/GPI011/inputs" />
        <group id="outputs" instance="16/GPI011/outputs" />
        <group id="input_pti" instance="16/GPI011/input_pti" />
        <group id="output_pti" instance="16/GPI011/output_pti" />
        <group id="routes" instance="16/GPI011/routes" />

</instance>
```

2.2.1.1 Attributes

2.2.1.1.1 address

The address contain the IP address of the cgp4848.

2.2.1.1.2 protocol

This is the protocol to use to communicate with the device, this protocol will have the same name as the dll.

2.2.1.1.3 inputs

This is the number of inputs the device has, usually 48 for this device.

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2.2.1.1.4 outputs

This is the number of outputs the device has, usually 48 for this device.

There are 5 different instances for each device these are; inputs, outputs, input_pti, output_pti and routes. Not all of these need to be used, for instance if a device only has inputs then there is no need for the outputs, output_pti and routes instances.

3 Version

Driver Version	Change Notes	Author
0.4.0.1	First version of documentation	Simon Armstrong

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