Genisys and Microlok Communication Driver

This document has the specific information related to this driver configuration. For a generic explanation on Device Module, Channels, Nodes and Points configuration, please refer to reference guide.

Contents

1 Summary Information

Communication Driver Name: Genisys
Implementation DLL: T.ProtocolDriver.Genisys.dll
Protocol: Proprietary
Manufacturer: Genisys
PC Hardware Requirements: Serial Port

2 Channel Configuration

2.1 Protocol Options

Not used in this driver.
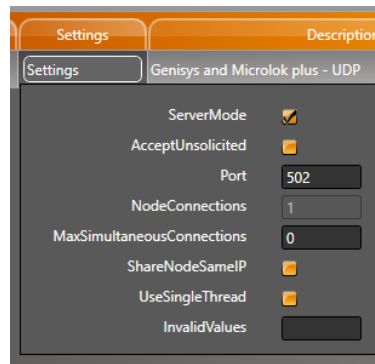
2.2 Settings

2.2.1 Master Mode

Not used in this driver.

2.2.2 Slave Mode

For Slave mode, the settings are configured as follows:

- **Server Mode**: True

- **Accept Unsolicited**: False

- **Port**: Port configured in Master device.

Settings for Slave Mode.

3 Node Configuration

3.1 Station Configuration

On the station configuration, there are the following parameters:

Station configuration.

Where:

- **IP**: IP Address.

- **Port**: Port Number.

- **Slave ID**: Slave ID in network.

- **Recall**: Number of polls before a recall.

- **Secure Polls**: Enable/Disable a CheckSum on the polls.

3.1.1 Master Mode

For Master Mode, **all** parameters must be configured.
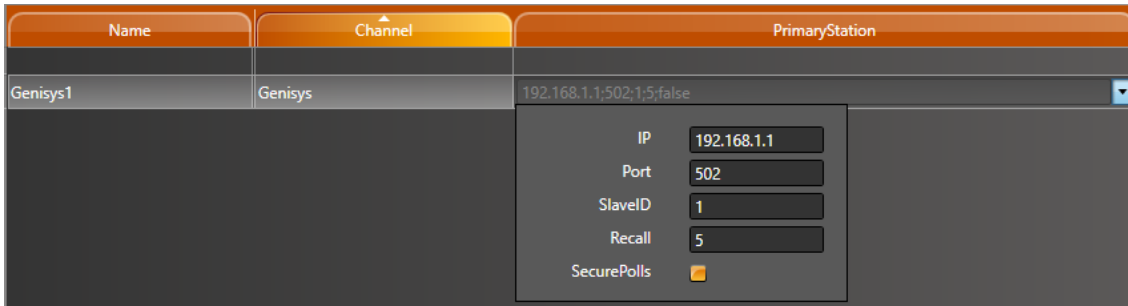
3.1.2 Slave Mode

For Slave Mode, only **IP** and **Slave ID** parameters must be configured.

4   Point Configuration

4.1   Address

The syntax for the Genisys communication point is:

- **Type**: Indicator to **Commands** or **Indications**.

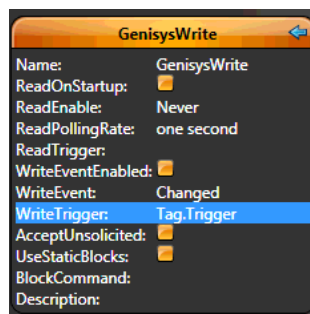- **Address**: Indicator to **Commands** or **Indications** address.

Station configuration.

4.2   Write Group

When configuring the write address points, they must be in a Write Group since the communication always sends all 8 bits at once.

To configure the WriteGroup AccessType, navigate to *Edit-Devices-AccessTypes-Create New*, set a **WriteTrigger** to a Tag.

AccessType creation.

After the configuration of the AccessType, go to *Edit-Devices-Points* and set the Control points to the newly created AccessType.

Points configuration.

5   Troubleshoot

The status of the driver execution can be observed through the diagnostic tools, which are:

- Trace window

- Property Watch

- Module Information

6   Revision History

Revision	Version	Description	Date
A	1.0.0.0	Initial Revision	September 2019
B	1.0.0.1	Slave Mode added	October 2020