

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	2
2	Channel Configuration	2
2.1	Protocol Options	2
2.2	Settings	2
2.2.1	Master Mode	2
2.2.2	Slave Mode	2
3	Node Configuration	3
3.1	Station Configuration	3
3.1.1	Master Mode	3
3.1.2	Slave Mode	3
4	Point Configuration	3
4.1	Address	3
4.2	Write Group	4
5	Troubleshoot	5
6	Revision History	5

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

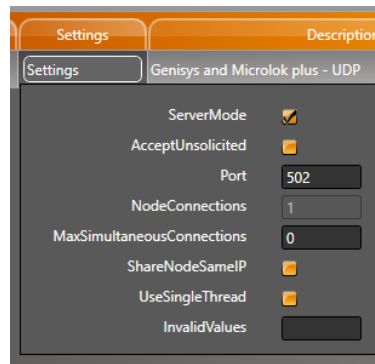
2.2.1 Master Mode

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:

Name	Channel	PrimaryStation
Genisys1	Genisys	192.168.1.1;502;1;5;false

IP: 192.168.1.1
Port: 502
SlaveID: 1
Recall: 5
SecurePolls:

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

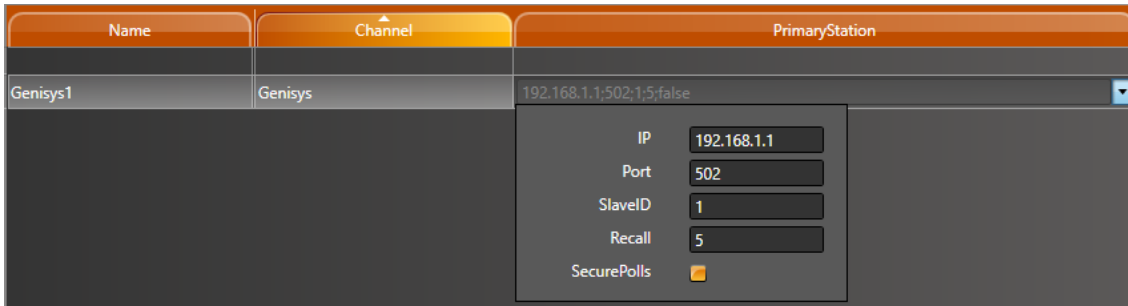
For Slave Mode, only **IP** and **Slave ID** parameters must be configured.

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.

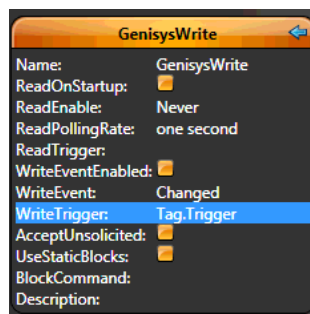


Station configuration.

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.

TagName	Node	Address	DataType	AccessType	Modifiers	Scaling
Bit[3]	Genisys	I4	Native	Read		None
Bit[6]	Genisys	I7	Native	Read		None
ControlBit[6]	Genisys	C24	Native	GenisysWrite		None
ControlBit[7]	Genisys	C8	Native	GenisysWrite		None

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