

TwinCAT 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.

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Section 1 – Summary Information

Communication Driver Name: TwinCAT

Implementation DLL: T.ProtocolDriver. TwinCAT.dll

Protocol: ADS

Interface: TCP/IP

PLC types supported: Beckhoff TwinCAT PLC/IO and compatibles

Manufacturer: Beckhoff

PC Hardware requirements: Ethernet board

Section 2 – Nodes Configuration

Station Configuration

Stations syntax: < AmsNetID > ; < AmsSrvPort >

Where :

< AmsNetID > = AmsNet ID of the PLC

< AmsSrvPort > = Port number used for communication.

E.g.: 192.168.1.1.1; 801

Section 3 – Points Configuration

Address

The syntax for the TwinCAT communication points are:

- **<DeviceTagName>**

<DeviceTagName>: Tag Name in PLC.

E.g.: .TAGNAME

Section 4 – Troubleshoot

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

- Trace window
- Property Watch
- Module Information

Status value of 0 (zero) means communication success. Negative values indicate internal driver error and positive values means protocol error codes.

Revision History

Revision	Description	Date
A	Initial Revision	March 2013