

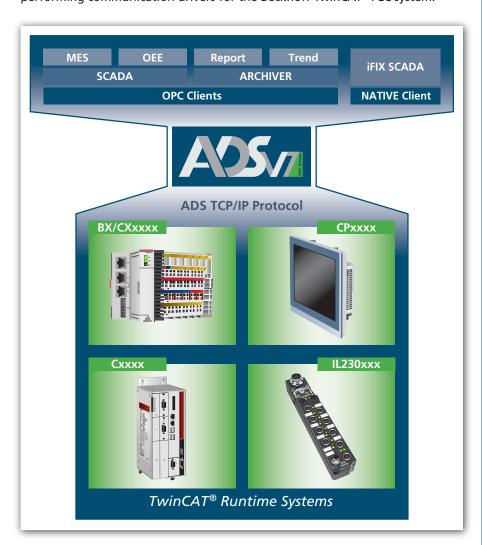
INCOSOL ADS [Beckhoff TwinCAT®]

OPC SERVER AND I/O DRIVER FOR TWINCAT® 2 & 3

The combined application as an I/O communication driver and OPC server and also the average data transfer rate and updating time in the range of milliseconds, even with large datasets (> 100 KB), make the INCOSOL ADS stand out.

In addition, there is also an abundance of interesting and high performing features, which not only provide a quicker and more convenient application on a daily basis, but also keep the costs to a minimum: iFIX licensing costs, for example.

This makes the ADS from the INCOSOL product portfolio one of the highest performing communication drivers for the Beckhoff TwinCAT® PLC system.



The high performance communication solution with special features for the Beckhoff
TwinCAT® PLC systems.



You have questions?

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INCOSOL ADS: At a glance

- Supports the Beckhoff TwinCAT® PLC systems 2.0 and 3.1
- Can be used as an I/O driver and OPC server at the same time
- Block oriented communication structure: Complex structures, for example, entire GVL root variables can be read in one block which enables an extremely high data throughput
- Online upload of the symbol list from the SPS runtime system or reading/scanning directly from the TwinCAT® SYM or TPY file
- The automatic reading and refreshing of the symbol list enables the ADS database to be updated. There is no need to re-initialize the ADS clients (iFIX or OPC)
- Symbol browser featuring a tree structure, enabling a quick selection of symbols
- Quick and convenient capture of I/O addresses and OPC item IDs by copy-paste
- Indexed addressing of array variables via iFIX register blocks

INCOSOL ADS: Licensing and support

- One time licensing via
 USB Dongle or license file
- Unlimited right of use
- Maintenance agreement including complimentary updates
- Ongoing development and long-term support
- Personal communication with the developer

INCOSOL ADS: Usage on a daily basis with

- Bosch
- flglass GmbH
- Greenerity
- Advance Pharma
- Sol Voltaics

As well as numerous other companies throughout the world!

The high performance communication solution with special features for the Beckhoff TwinCAT® PLC systems.



INCOSOL ADS: Technische Features

Supported software

- Runs with Windows 7, 8, 10 (also IoT), Server 2016 and Server 2019
- OPC DA clients in accordance with OPC DA specification 2.05 ¹)
- FIX32/iFIX, all versions 2)
- All HMI/SCADA systems that support OPC DA, like WinnCC, InTouch HMI or ControlMaestro

Required Hardware

■ The INCOSOL ADS driver merely needs an Ethernet network interface on the respective PC

Supported PLC Systems

- Embedded PCs from the BXxxxx and CXxxxx series
- Panel PCs from the Cxxxx and CPxxxx series
- Control cabinet IPCs from the Cxxxx series
- Fieldbus Boxes from the IL23xx series
- Other PC systems with TwinCAT® PLC runtime system 2.0 or 3.1

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¹⁾ OPC UA starting the 4th quarter of 2021.

²⁾ For implementation under GE's Proficy iFIX, the INCOSOL ADS also has direct, high performing interfaces available. These internal interfaces provide substantial performance benefits in comparison to an OPC server-client connections, especially, when it comes to large applications with tens of thousands of data points.