

Document Revision: 1.02
Document Data: 2022/03/31
EDS File Revision: 2.65

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/-----/
/-----/
/-----/
/----- Ethernet/IP Configuration Files -----/
/-----/
/----- for use with -----/
/-----/
/-----/
/----- OPC-2-ETHEG-IN -----/
/----- for use with ODE-3 IP20 -----/
/----- and Compact 2 drives -----/
/-----/
/----- & -----/
/-----/
/----- OPTIDRIVE E3 EIP -----/
/-----/
/-----/
/-----/
/-----/
/-----/

This archive folder contains 3 subfolders:

1. EDS files for CodeSys - this folder contains EDS files compatible with CodoSys Software
2. EDS files for Rockwell - this folder contains EDS files compatible with Allen-Bradley (Rockwell) software
3. Studio5000 Add-on Instructions - the Add-on instructions for the Rockwell Studio5000 software
- 4.

/-----/
/-----/
/----- SELECTING -----/
/-----/
/----- CORRECT EDS FILE -----/
/-----/
/-----/

1. OPC-2-ETHIG-IN V2.65 - EDS files compatible with standalone Ethernet/IP Interface (OPT-2-ETHEG-IN) and the Compact 2 Ethernet/IP interface

2. OPT-3-ETHIG-IN_V2.65 - EDS files compatible with the Optidrive E3 IP66 Outdoor with built-in Ethernet/IP Interface

```
-----/
-----/
----- ABOUT THE -----/
-----/
----- THE ETHERENT/IP -----/
-----/
----- CIP MODBUS TRANSLATOR -----/
-----/
-----/
```

Ethernet/IP Interface is using the Modbus RTU protocol to communicate with a drive. Default speed It is a CIP Modbus Translator (Gateway).

```
!*****
!.....!
!.....!
!.....!
!..... Connection Ports .....!
!.....!
!.....!
!*****
```

All modules:

Port Connection Note

P1 Ethernet Port 1 Use for module firmware update! Do not connect to the drive RJ45 serial port!

P2 Ethernet Port 2 Do not connect to the drive RJ45 serial port!

OPT-2-ETHEG-IN only:

Port Connection Note

D1 Serial Drive Data Connection Do not connect to the other Ethernet network devices like switches or ethernet adapters!

D1 Serial Aux Connection Do not connect to the other Ethernet network devices like switches or ethernet adapters!

```

|*****|
|.....!
|.....!
|.....!
|..... Status Indicator LEDs .....!
|.....!
|.....!
|*****|

```

All modules:

Status LED Function

NS Network Status - EtherNet/IP Network Status Indicator

MS Module Status Indicator

OPT-2-ETHEG-IN only:

Status LED Function

COMM Serial Communication Bus (Modbus RTU & Optibus) Activity Indicator

ERROR Serial Communication Bus Error Indicator

```

|.....!
|.....!
|..... DEFAULT SETTINGS .....!
|.....!
|.....!

```

The built-in web server interface can be accessed at via the IP address or host name.

- Default IP address: 192.168.1.253
- Hostname: OPCxxxxxxxx, where xxxxxxxxxx = 'PR ID' value shown on the top product label

Default login details:

Username: Admin

Password: Serial Number of the module (for the standalone module OPT-2-ETHEG-IN)

Serial Number of the drive (for the Ethernet/IP module built-in the drive)

```

/*****
/*****
/*****
/***** CONFIGURATION DATA
/*****
/***** FOR USE IN GENERIC MODE
/*****
/*****
/***** STANDARD IDL DATA TELEGRAM
/*****
/***** 4 Words In/ 4 Words Out
/*****
/*****
/-----/
/-----/
/----- COMPATIBLE WITH: -----/
/-----/
/----- ODE-3 -----/
/----- COMPACT-2 -----/
/----- ODP-2 -----/
/----- ODV-3 -----/
/-----/
/-----/
/*****

```

Please add Ethernet-Bridge to the project and set IP Address assigned to the module/drive. Under CIP Bus please add New module/ CIP-Module.

Settings:

Comm Format: Data – INT

Address: 1 (must be the same as the drive address set in P-36 Index 1 for ODE-3 or P5-01 for ODP-2 or ODV-3)

Assembly Instance:

Input: 6 Size: 4 (16-bit)

Output: 1 Size: 4 (16-bit)

Config: 2 Size: 0 (16-bit)

RPI: >= 50ms

Note: In generic mode there is no support for TCP/IP connection status.

```

/*****
/*****
/*****

```

```

/***** CONFIGURATION DATA
*****/

/***** FOR USE IN GENERIC MODE
*****/

/***** ADVANCED ODE-3 DATA TELEGRAM
*****/

/***** 4 Words In/ 16 Words Out
*****/

/***** COMPATIBLE WITH:
*****/

/***** ODE-3 (fw: 3.09 or later)
*****/

/-----/
/-----/
/----- To enable the Advanced Mode -----/
/-----/
/----- (ODE-3 drive only) -----/
/-----/
/----- Parameter P-63 hast to be set to 1. -----/
/-----/
/-----/
/*****

```

Please add Ethernet-Bridge to the project and set IP Address assigned to the module/drive. Under CIP Bus please add New module/ CIP-Module.

Settings:

Comm Format: Data – INT (16-bit)

Address: 1 (must be the same as the drive address set in P-36 Index 1)

Assembly Instance:

Input: 2001 Size: 16 (16-bit)

Output: 1 Size: 4 (16-bit)

Config: 2 Size: 0 (16-bit)

RPI: >= 50ms

Note:

In generic mode there is no support for TCP/IP connection status. Function block monitors only the serial connection based on the Live bit toggle.