

Customer documentation

Commissioning ICE1-8IOL-G60L-V1D with the IO-Link Device Tool by TMG

Introduction

The IO-Link Device Tool gives customers an easy way to establish a connection with an IO-Link master, monitor IO-Link diagnostics, and modify IO-Link parameters of devices that are connected to the master. A simple user interface allows you to view process, status, and device data. The tool is compatible with IO-Link V1.0 (IODDs V1.0.1) and V1.1 (IODDs V1.1), and it supports masters from a variety of suppliers, including Pepperl+Fuchs, Balluff, Lumberg, Molex, and Murrelelektronik.

You can download a 30-days trial license of the tool from:

<http://io-link-device-tool.tmgte.de>

Once the trial license expires, the software can't be relaunched until you download and apply a corresponding license key. There is no need to reinstall the software. In order to purchase a valid license, please contact TMG.

Contact:

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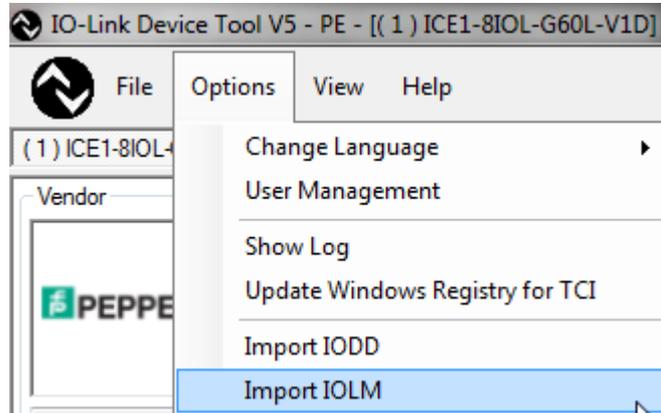
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Commissioning ICE1-8IOL-G60L-V1D

1. Install TMG's IO-Link Device Tool
2. Run the IO-Link Device Tool software
3. Import IOLM (IO-Link Master Description) files: Options → Import IOLM



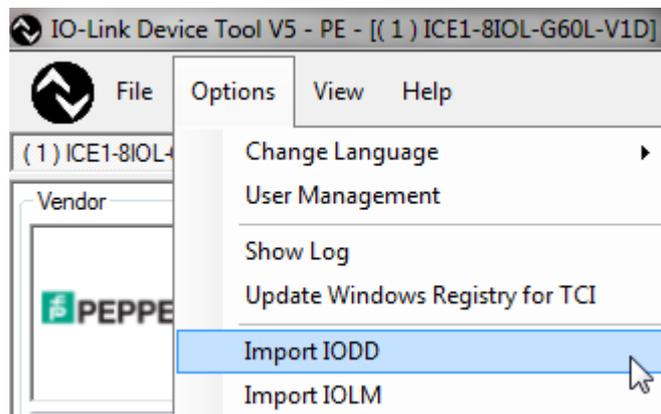
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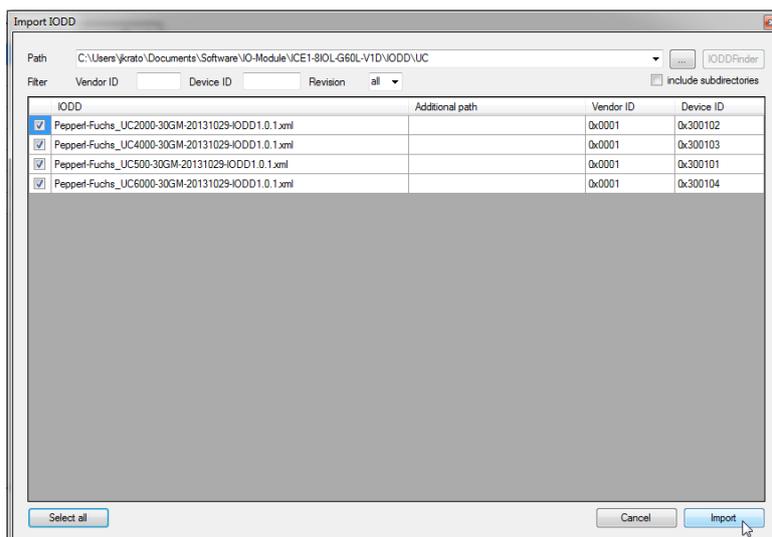
IOLM files can be found on our Pepperl+Fuchs homepage:

Pepperl-Fuchs-ICE-8IOL-G60L-V1D-EIP-.xml → EtherNet/IP interface*

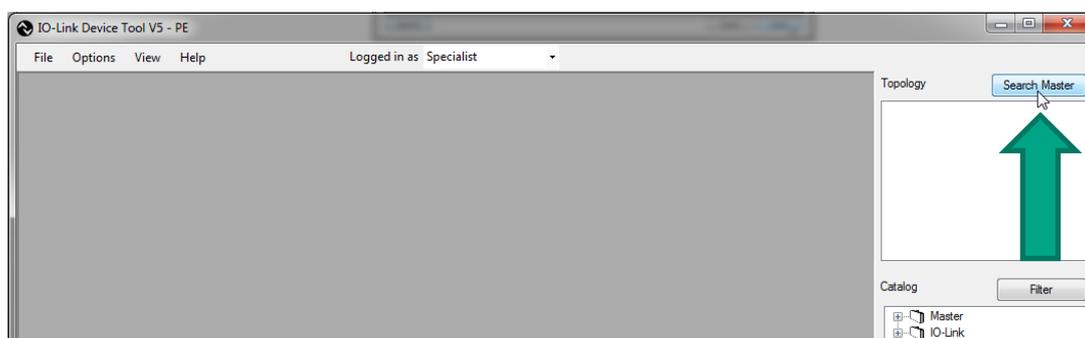
Pepperl-Fuchs-ICE-8IOL-G60L-V1D-PN-.xml → PROFINET IO interface*

4. Import required IODD (IO-Link Device Description) files: Options → Import IODD

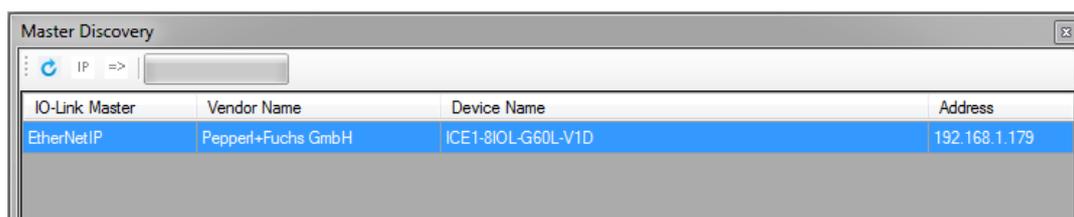




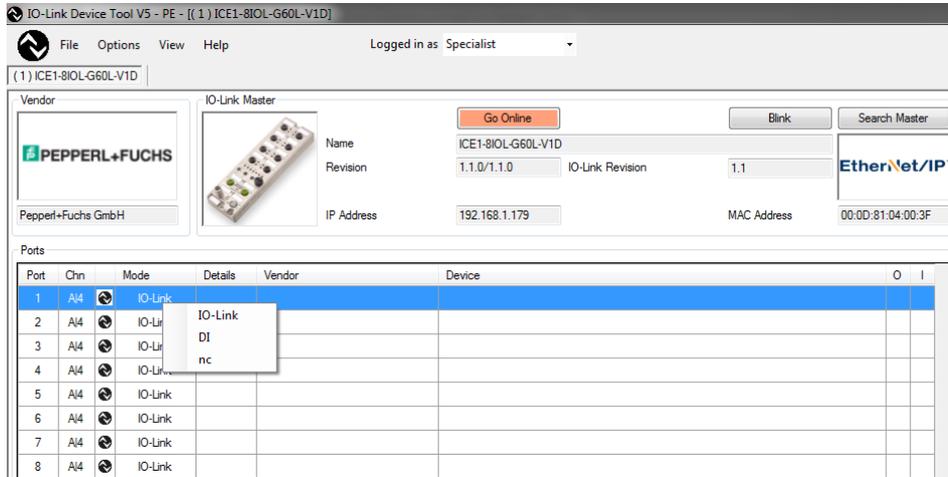
5. Scan network for available ICE-8IOL-G60L-V1D master modules → Click „Search Master“



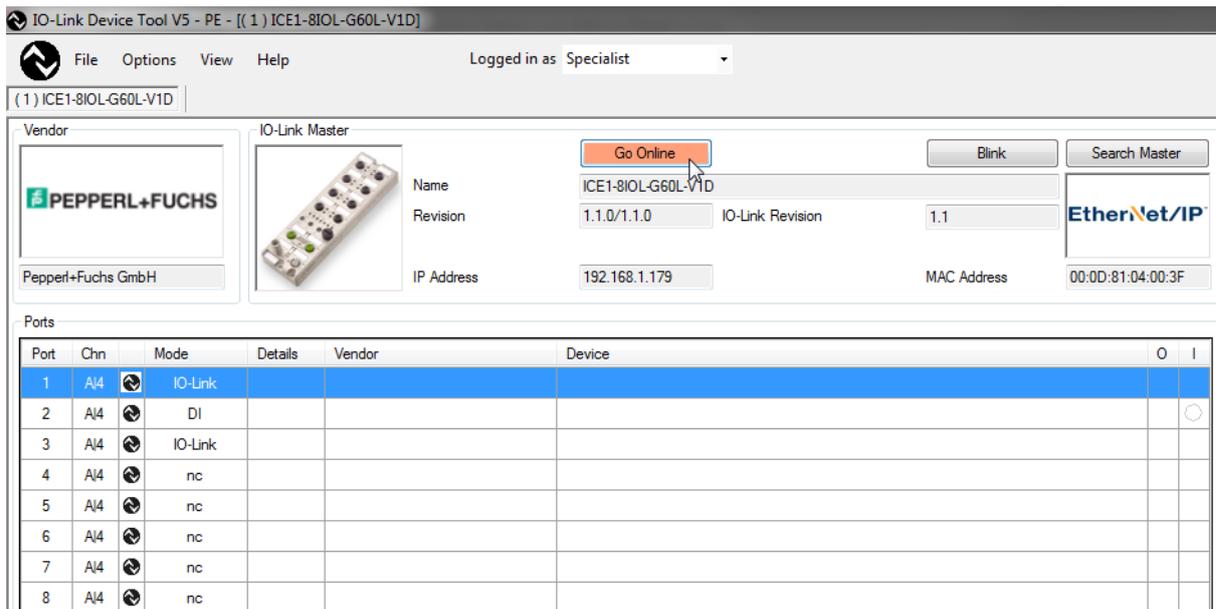
6. „Master Discovery“ displays all found ICE-8IOL-G60L-V1D master modules. Select preferred module by double-clicking



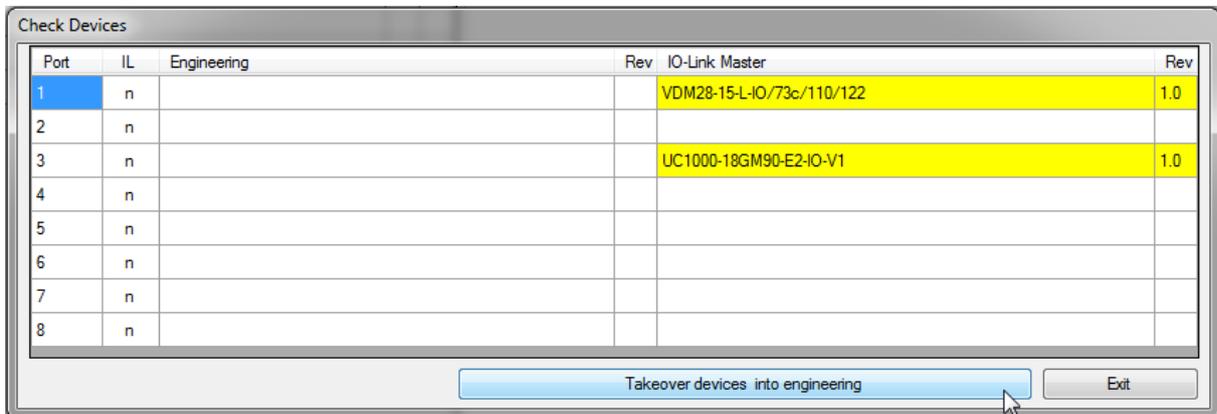
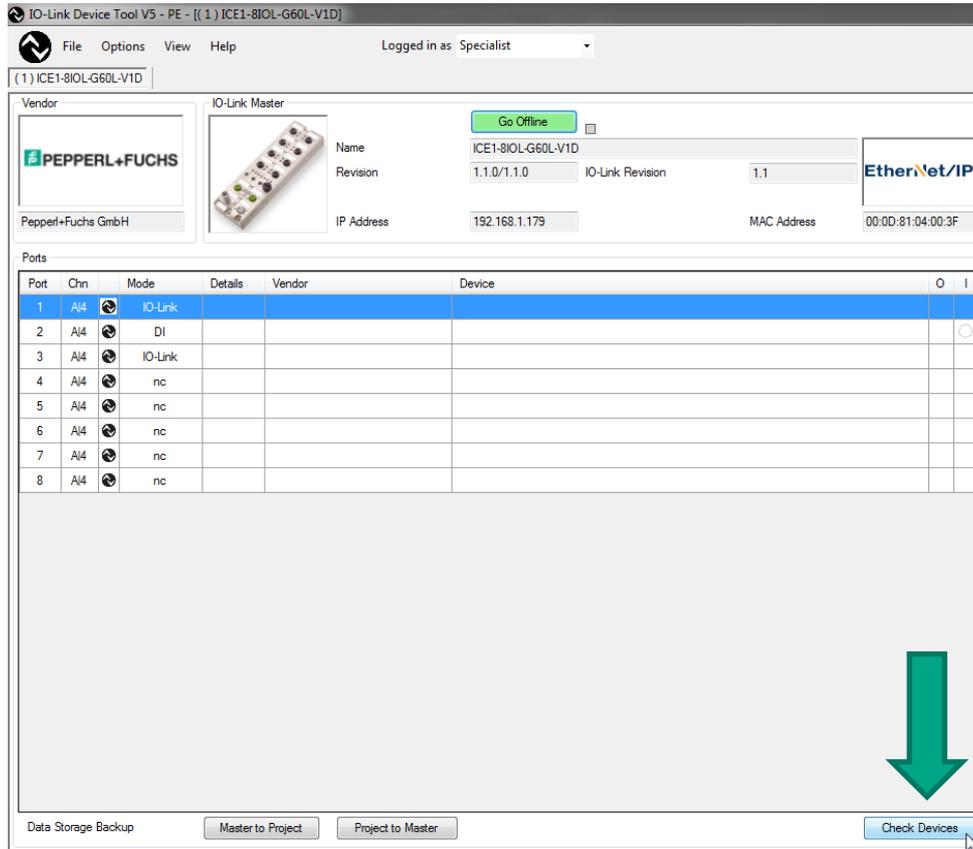
7. Set up port modes by right-clicking „Mode“ column
 - a. IO-Link = IO Link COM Mode
 - b. DI = Digital Input
 - c. nc = not connected



8. Click “Go Online” to establish a communication between software tool and ICE-8IOL-G60L-V1D and to download your port configuration into the master module.



9. Select „Check Devices“ to see all connected IO-Link Devices. Include them into your engineering tool by clicking „Takeover devices into engineering“



- Double-click on a listed IO-Link Device to change into its IODD view, where you can alter parameters, observe process data or detailed device information, provided by the related IODD file.

The screenshot shows the 'IO-Link Device Tool V5 - PE - [(1) ICE1-8IOL-G60L-V1D]' window. The 'IO-Link Master' section displays the following details:

- Name:** ICE1-8IOL-G60L-V1D
- Revision:** 1.1.0/1.1.0
- IO-Link Revision:** 1.1
- IP Address:** 192.168.1.179
- MAC Address:** 00:0D:81:04:00:3F

The 'Ports' table below shows the configuration for 8 ports:

Port	Chn	Mode	Details	Vendor	Device	O	I
1	A14	IO-Link		Pepperl+Fuchs GmbH	VDM28-15-L-IO/73c/110/122		
2	A14	DI					
3	A14	IO-Link		Pepperl+Fuchs GmbH	UC1000-18GM90-E2-IO-V1		
4	A14	nc					
5	A14	nc					
6	A14	nc					
7	A14	nc					
8	A14	nc					