

IODD Information

File name: Murrelekt
 Release Date: 2020-10-1
 Copyright: Copyright
 Document Version: V2.0.0

Device Information

Vendor Name: Murrelekt
 Vendor ID: 303 (0x12)
 Device Name: IOL AI-I-S
 Device ID: 262656 (0)
 Product ID: 5000-005

Index	Sub-Index	Name	Data type	Length	Bit offset	Sub-Index Access	Access rights	Excluded from DS	Error	Speciality
0x00C		Device Access Locks	RecordT	2	Byte		Read & Write			
0x01 (1)		Parameter Write Access	BooleanT	1	Bit	0	Read & Write			X
0x02 (2)		Data Storage	BooleanT	1	Bit	1	Read & Write			X
0x03 (3)		Local Parameterization	BooleanT	1	Bit	2	Read & Write			X
0x04 (4)		Local User Interface	BooleanT	1	Bit	3	Read & Write			X
0x010 (16)		Vendor Name	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x011 (17)		Vendor Text	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x012 (18)		Product Name	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x012 (19)		Product ID	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x014 (20)		Product Text	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x015 (21)		Serial Number	StringT	16	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x016 (22)		Hardware Revision	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x017 (23)		Firmware Revision	StringT	64	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x018 (24)		Application-specific Tag	StringT	32	Byte	-	Read & Write			X
0x024 (36)		Device Status	UIntegerT	8	Bit	-	Read only	<input checked="" type="checkbox"/>		X
0x025 (37)		Detailed Device Status	ArrayT	16	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x026 (40)		PD Input	RecordT	2	Byte	-	Read only	<input checked="" type="checkbox"/>		X
0x040 (64)		Diagnosis	RecordT	2	Byte	-	Read & Write			X



Configurable Observable Device

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... enjoy
technology!

Simplifying Pre-Configuration & Testing

Simplifying Pre-Configuration & Testing

In today's industry, efficiency and flexibility are key success factors. Small machine manufacturers in particular are faced with the challenge of configuring their IO-Link Masters in their systems while waiting for the actual IO-Link devices to arrive.

The Configurable Observable Device (COD) from TEConcept offers an innovative solution: the ability to fully emulate IO-Link Devices without having the devices physically in stock. This method reduces costs, speeds up processes and ensures smooth commissioning for the customer.

The Solution: The Configurable Observable Device (COD)

The COD enables complete emulation of IO-Link devices so that IO-Link masters can be pre-configured or tested for interoperability – **without physical devices!**

How does it work?

The COD uses the IODD files of the desired devices to realistically simulate their behaviour – **even if they are still under development and the hardware is not yet available.**

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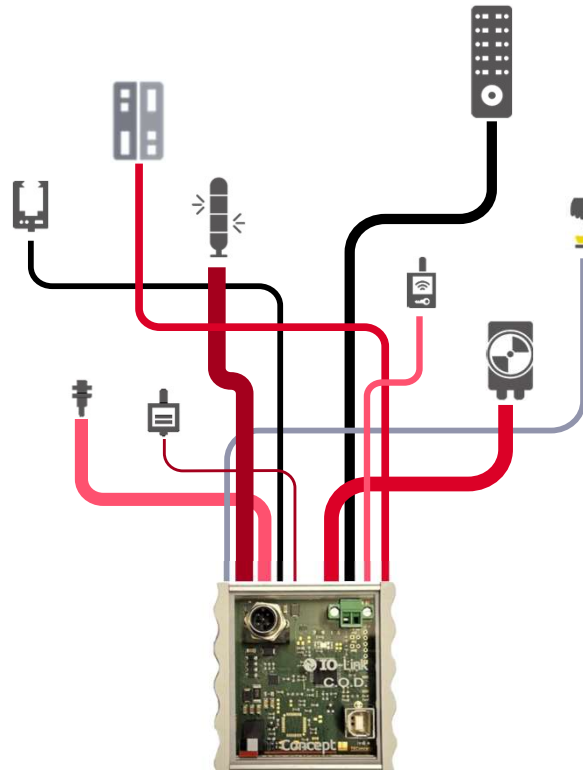
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Simplifying Pre-Configuration & Testing

>10k various IO-Link Devices in ONE

01
Reduces overall
installation **time** by
preconfiguring your
Machine

02
Enables **on-the-go**,
professional
demonstrations with
minimal setup



03

Reduce the need for
large device
inventories

04

Reduces the need for
multiple physical
devices during
testing and allows for
robust IO-Link Master
validation

 **IO-Link**
Configurable Observable Device

01

Pre-Configuration of IO-Link Masters Without Devices

- The COD emulates IO-Link Devices, enabling full parameterization of IO-Link Masters.
- This Accelerates your production timelines, minimizes upfront inventory, and ensures a plug-and-play experience for end customers.

02

Flexible Demonstration of IO-Link Solutions

- With the COD, IO-Link Masters can be pre-configured and paired with emulated devices for demos
- This makes it possible to demonstrate devices under development to customers

03

No Need for High Stock Levels

- Free up valuable storage space by reducing the need to keep multiple devices on hand for development and testing purposes.
- Avoid the upfront investment in a large inventory of devices by utilizing the COD for extensive testing scenarios.

04

Accelerate Troubleshooting and Testing

- Integrate the COD into automated test pipelines for consistent and efficient validation processes.
- Start testing and troubleshooting immediately without waiting for physical devices, significantly reducing development time.

Why TEConcept?

With the Configurable-Observable Device, **TEConcept** offers a proven and innovative solution to fulfil the requirements of modern machine manufacturers or everyone who wants to be up front in industrial automation and IO-Link!

As a **certified IO-Link Test & Competence Center**, we combine in-depth technical knowledge with practical solutions.



Learn more about the COD: www.teconcept.de
Contact us: info@teconcept.de

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