

## PRODUCT DATA SHEET

TigoHUB i4 - CT261-0007-4P - 706A00011

**Multiport hub** for IO-Link Wireless connectivity of IO-Link and DIO devices.

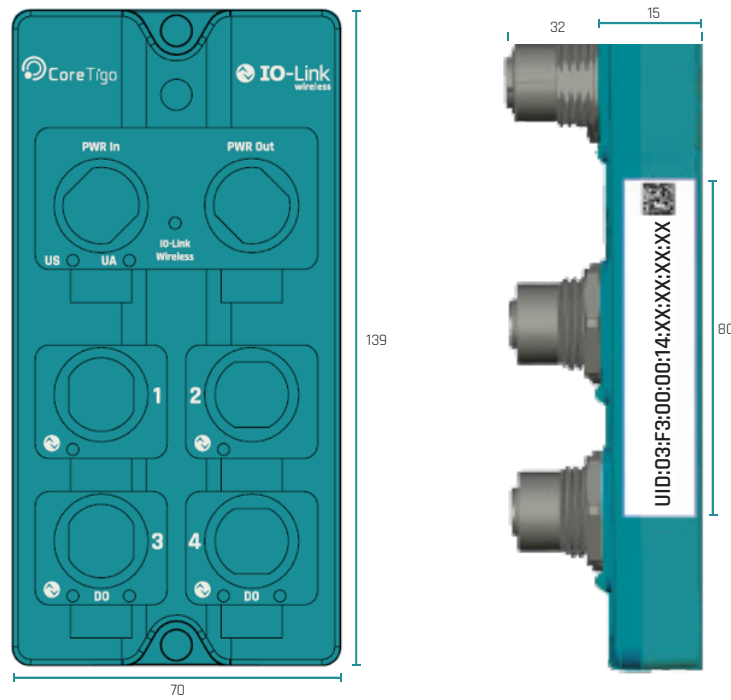
Connect up-to 4 IO-Link and up-to a combination of 6 IO-Link/DIO devices and convert to IO-Link Wireless.



### Mechanical

#### Dimensions

Units are in mm







### Electrical

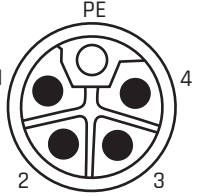
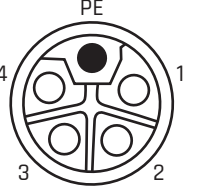
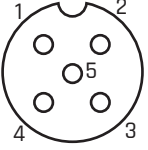
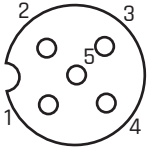
Max Current	8A
Operating Voltage	18-32 VDC
Typical Current Consumption	30mA @ 24V
Max Output Supply (Class A ports)	2A (1L)
Max Output Supply (Class B ports)	2A+2A (1L+2L)

## Interfaces

### LED Indications

LED Name	Label	LED Colors
Power In1	US	Dual Color - red & green
Power In2	UA	Dual Color - red & green
IO-Link1	 IO-Link	Dual Color - red & green
IO-Link2	 IO-Link	Dual Color - red & green
IO-Link3	 IO-Link	Dual Color - red & green
Digital3	DO	Green
IO-Link4	 IO-Link	Dual Color - red & green
Digital4	DO	Green
IO-Link Wireless	IOLW	Dual Color - red & green

## Connectors

Connector	Description	Type	Pinout
PWR In	DC Power input	M12, 5 pin, male L-coded	 <p>Pin1 - 1L Pin2 - 2M (Ground for 2L) Pin3 - 1M (Ground for 1L) Pin4 - 2L Pin5 - Functional Earth</p>
PWR out	DC Power output	M12, 5 pin, female L-coded	 <p>Pin1 - 1L Pin2 - 2M (Ground for 2L) Pin3 - 1M (Ground for 1L) Pin4 - 2L Pin5 - Functional Earth</p>
Ports 1 and 2	Class B IOL	M12, 5 pin, female A-coded	 <p>Pin1 - 1L Pin2 - 2L Pin3 - 1M (Ground for 1L) Pin4 - IO-Link C/Q Pin5 - 2M (Ground for 2L)</p>
Ports 3 and 4	Class A IOL	M12, 5 pin, female A-coded	 <p>Pin1- 1L Pin2 - DO Pin3 - 1M (Ground for 1L) Pin4 - IO-Link C/Q Pin5 - N.C</p>
Antenna	External Antenna connector	SMA female, 50 Ohm	

## Communication, Supported Protocols

<b>IO Link</b>	<ul style="list-style-type: none"><li>• Supported transmission types: COM1, COM2, COM3</li><li>• Revision 1.0 to 1.1.2</li><li>• Class A and B</li></ul>
<b>IO Link Wireless</b>	Revision 1.1
<b>Radio</b>	2.4GHz ISM band, 10mW

## Regulatory compliance - Due June 2022

<b>CE, FCC, UL</b>	TBD
<b>RoHS</b>	Complied
<b>REACH</b>	Complied

## Operation Conditions and reliability

<b>Operating Temperature</b>	-25°C to 65°C
<b>Storage Temperature</b>	-40°C to 85°C
<b>IP rating</b>	IP65
<b>Sine Vibration</b>	IEC 60068-2-6
<b>Random vibration</b>	IEC 60068-2-64
<b>Shock</b>	IEC 60068-2-27
<b>Bumps</b>	IEC 60068-2-27

**Note:** Wiring of DIO devices has to be according to the specified instructions. Incorrect wiring may result in damage to the TigoHub i4 and the connected devices. Please consult the user manual for additional information