

# 3.1 Technical Specifications

Application Manual

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## Table of Contents

<b>3.1 Technical Specifications</b> .....	5
<i>Transceiver</i> .....	5
<i>Mechanical</i> .....	5
<i>Connections</i> .....	5
<i>LEDs</i> .....	6



# 3.1 Technical Specifications

## Transceiver

- Dual IO-Link Master Transceiver Analog Devices MAX14816 with Integrated Framers and L+ Supply Controllers
- SPI-Mode only (RX/TX not used)

## Mechanical

### Dimensions

- 65,5 × 66 mm
- Height: 18 mm with stack-through

### Mounting

- 4×2,5 mm Screwholes (Compatible with Raspberry Pi mounting holes)

### Temperature range

- -25 °- 60 °C
- Non-condensing humidity

## Connections

### Voltage supply

- 24V DC (+/-20 %), Current consumption max. 1300mA
- 3V3 DC (+/-5%) from Raspberry Pi < 50mA, over 40-Pin GPIO or generic interface (for IO-Link-Driver-IC logic and LEDs)

### 2 SDCI-Ports

- Screw plug-in terminal 3,5mm
- Class A (max. 500mA per port)
- Speeds COM1, COM2, COM3 (auto-detect via software)
- Operating mode: IOL
- 1 LED per port (red/green, user controllable)

### 40 Pin GPIO Connector (PT-1201 only, for connection to Raspberry Pi, as stack-through)

- SPI 1 (MISO, MOSI, CLK)
- Port 1/2: SPI\_CE0, GPIO24 (interrupt)
- Port 3/4: SPI\_CE1, GPIO25 (interrupt)
- 3V3/GND

**Generic Connector** (PT-1202 only, for single-board computers other than Raspberry Pi)

- SPI (MISO, MOSI, CLK, CE)
- Interrupt (GPIO)
- 3V3, GND

**LEDs**

- Status per port (red/green), controlled via software