



9. Communication connections

The media converter is equipped with following communication interfaces:

- 1 x 10/100/1000BASE-T(X) port
- 1 x 100/1000BASE-X port (SFP slot)



Please only use cables suitable for the respective type of communication and ensure that signals are protected from possible interference.

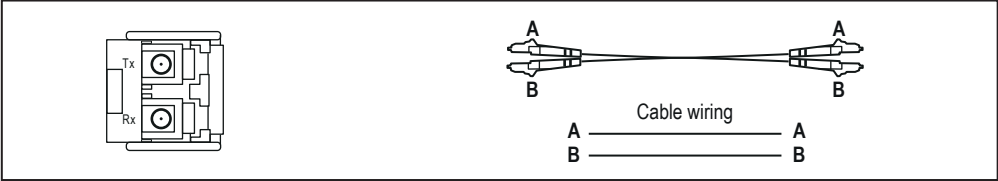
9.1 100/1000BASE-T(X) RJ45 port

The 100/1000BaseT(X) port located on the front panel is used to connect to Ethernet-enabled devices. The following table shows pinouts for both MDI ports (NIC-type) and MDI-X ports (HUB/Switch-type). Auto MDI-X ensures that both wiring schemes are supported (automatic crossover function).

10/100BASE-T(X) MDI/MDI-X			1000BASE-T(X) MDI/MDI-X			8-pin RJ45
Pin	MDI port	MDI-X port	Pin	MDI port	MDI-X port	
1	TD+ (transmit)	RD+ (receive)	1	BI_DA+	BI_DB+	
2	TD- (transmit)	RD- (receive)	2	BI_DA-	BI_DB-	
3	RD+ (receive)	TD+ (transmit)	3	BI_DB+	BI_DA+	
4	not used	not used	4	BI_DC+	BI_DD+	
5	not used	not used	5	BI_DC-	BI_DD-	
6	RD- (receive)	TD- (transmit)	6	BI_DB-	BI_DA-	
7	not used	not used	7	BI_DD+	BI_DC+	
8	not used	not used	8	BI_DD-	BI_DC-	

9.2 100/1000BASE-X SFP fiber optic port

The 100/1000BaseSFP type slot requires either a 100BaseSFP or a 1000BaseSFP fiber transceiver (mini-GBIC) to work properly. Please only use SFP modules and cables that are compatible with each other to establish an optical connection.



For a LC-Port with separate transmit and receive ports please remember to connect the Tx (transmit) port of device 1 to the Rx (receive) port of device 2, and the Rx (receive) port of device 1 to the Tx (transmit) port of device 2.

10. DIP-Switch Settings

The following table describes the settings of the DIP-switches on top of the device.

DIP switch	Setting	Decription
100X / 1000X	100X	Fast ethernet optical port (SFP transceiver)
	1000X	Gigabit ethernet optical port (SFP transceiver)
LFP	Enable LFP	Enables Link Fault Pass Through function
	Disable LFP	Disables Link Fault Pass Through function

11. LED indicators

The following table describes the functions of the LED indicators at the front panel.

LED	Color	Status	Description
PWR1	Green	On	Power supplied to power input PWR1.
PWR2	Green	On	Power supplied to power input PWR2.
LFP	Amber	On	Link Fault Pass Through function enabled.
LNK/ACT RJ45 port	Green	On	Port link is active.
		Off	Port link is inactive.
		Blinking	Data is transmitted.
100/1000M RJ45 port	Green	Green	Port speed is set to 1000 Mbps
		Off	Port speed is set to 100 Mbps
LNK/ACT	Green	On	Optical port link is active.
		Blinking	Data is transmitted.

12. Disposal



Observe the notes for proper disposal of the product. You can find the notes here: [www.weidmueller.com/disposal](http://www.weidmueller.com/disposal).



13. Specifications

Technology	
Ethernet standards	IEEE 802.3u for 100BASE-TX and 100BASE-FX IEEE 802.3ab for 1000BASE-T IEEE 802.3z for 1000BASE-X IEEE 802.3x for flow control
Interfaces	
RJ45 ports	1 x 100/1000BASE-T(X) auto negotiation speed, F/H duplex mode and auto MDI/MDI-X connection
Fibre optic ports	1 x 100/1000BASE-X SFP slots
LED indicators	PWR1, PWR2 (Power), LFP (Link Fault Pass Through function), Port Link/Activity/Speed
DIP switch	100X / 1000X: Optical port operating at Fast (100X) or Gigabit (1000X) LFP ON / LFP OFF: Link Fault Pass Through function enabled (LFP ON) or disabled (LFP OFF)
Power supply	
Input voltage	11 ... 52 V DC
Power consumption (max.)	3.4 W
Connection	Removable 4-pin terminal block, Wiring cable 12 ... 24AWG
Overload current protection	Yes
Reverse polarity protection	Yes
Physical characteristics	
Housing	IP30 protection, metal
Dimensions (W x H x D)	26.1 x 95 x 70 mm (1.03 x 3.74 x 2.76 inch)
Weight	202 g
Installation	DIN-rail
Environmental conditions	
Operating temperature	-40 ... 75 °C (-40 ... 167 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Ambient relative humidity	5 ... 95 % (non-condensing)
Operating altitude	Up to 2000 m
Regulatory approvals	
Safety	UL 61010-1, UL 61010-2-201
EMC	EN 55032, EN 55024, FCC Part 15 Subpart B Class A IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz to 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 0.5 kV; Signal: 0.5 kV, IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 Vrms
Shock	IEC 60068-2-27
Free fall	IEC 60068-2-31
Vibration	IEC 60068-2-6
MTBF	
Time	2,268,268 hrs
Database	Telcordia SR332
Warranty	
Time period	5 years

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
32758 Detmold, Germany  
T +49 5231 14-0  
F +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

3151980000/00/04.2025

