

ITM

MASTER IO-Link

The label *Trafag Industrial Components* extends the Trafag brand name to instruments manufactured by qualified partner companies. The latest addition is the IO-Link Master of the new Trafag IO-Link Vision line.

Innovation, Precision, Reliability – all in one device: the IO-Link Master. Trafag IO-Link Vision is a new line dedicated to intelligent connectivity; an advanced communication system that optimizes the monitoring and control of industrial devices using the IO-Link Master. Seamless integration into your industrial processes, real-time data for unprecedented control and optimized efficiency through advanced technology.

The *Trafag Industrial Components* IO-Link Master is available in two versions: multi-protocol and Ethercat.



09/2025

Applications

- General automation
- Hydraulics
- Chemical
- Food and beverage
- Machine tools

Features

- Multi-protocol version: PROFINET, EtherNet/IP, Modbus TCP
- Ethercat version
- IoT protocols (all versions): MQTT, OPC UA (Server & Client)
- 8 configurable ports A and B
- Virtual PLC
- K-Easy configuration software
- Max Digital input/output: 16
- Output current parametrization from 250mA to 1.6 A
- Operating temperature: -40...85°C
- IP Protection: IP67, IP69K on dedicated version

Ordering code

		ITM - 8	X	XXX	- 8T -	00
Version	Multi-protocol		M			
	Ethercat		E			
Protection class	IP 67 (black version)					67S
	IP 69K (white version)					69K

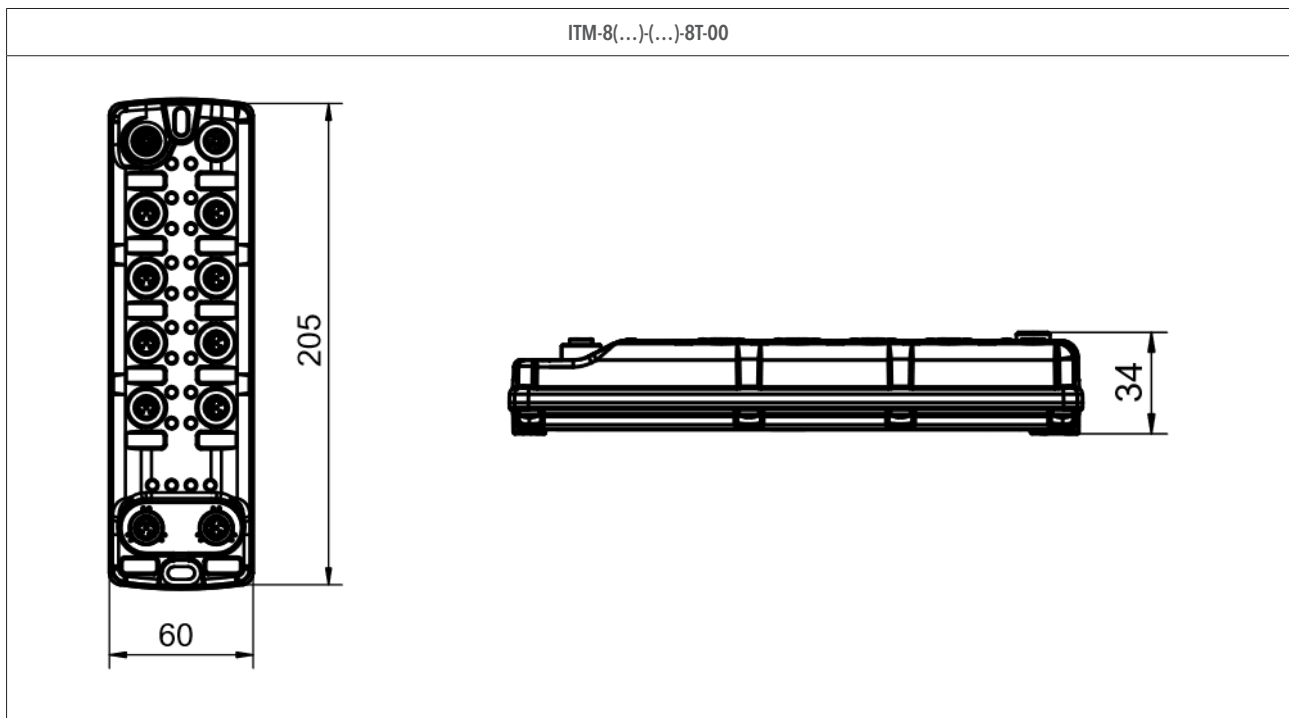
Order example

Ex: ITM-8M-67S-8T-00

- Multi-protocol version with 8 configurable ports (8M)
- IP 67 (67S)


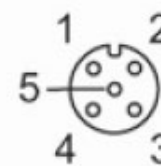
Dimensions - All dimensions are in mm


Tab.x - Dimensions



Data

Electrical data	
Operating voltage (US)	18...30 V DC
Daisy-chain on power supply	yes, multi-protocol version no, Ethercat version
Max allowed current on power daisy chain	12 A
Protection class	III
Additional voltage supply (UA)	24 V DC
Actuator supply UA	
Max. current load total	6 A
Current rating per port	adjustable 0.25 ... 1.6 A
Inrush current per port	2.2 A
Actuator supply US	
Max. current load total	2 A (8 x 250 mA)
Current rating per port	250 mA
Inputs / Outputs	
Total number of inputs and outputs	16 (configurable)
Max. number of digital inputs	16
Max. number of digital outputs	16
Response time PNP	100ms
Response time NPN	300ms
Response time Digital output	100ms
Interfaces	
Multi-protocol version	PROFINET, EtherNet/IP, Mosbus TCP
Ethercat version	Ethercat
Protocols for IoT (in all models)	MQTT, OPC UA (Server & Client)
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10 MBit/s; 100 MBit/s
MAC address	see type label
Daisy-chain	yes
IO-Link Master	
Transmission type	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)
IO-Link revision	1.1
Number of ports total	8 (configurable A/B)
Max. number of port class A	8
Max. number of port class B	8

Operating conditions	
Ambient temperature	-40...85°C
Storage temperature	-40...85°C
Max. relative air humidity	90%
Protection	IP67; IP69K (specific model)
Test / Approvals	
EMC	EN 61000-6-2, EN 61000-6-4
Mechanical data	
Weight	300g
Housing	rectangular
Type of mounting	backplane mounting
Dimensions	34 x 60 x 205 mm
Materials	Pocan - PBT 12%GF
Electrical connection / PROFINET, EtherNet/IP, Modbus TCP, Ethercat, IoT	
Connector	M12, D-coded
Multi-protocol version	2xM12: ETH1, ETH2 (with IoT)
Ethercat version	3xM12: ECAT IN, ECAT OUT, IoT
	1: TX +
	2: RX +
	3: TX -
	4: RX -
	5: not used
Electrical connection / IO-Link	
Connector: 8xM12, A-coded	P1...P8
	1: L + (device power)
	2: Digital (Class A) or UA+ (Class B)
	3: L - (device power)
	4: C/Q (IO-Link)
	5: not used (Class A) or UA - (Class B)

Electrical connection – Power supply	
Connector	M12, T-coded
Multi-protocol version	2xM12: Power IN, Power OUT
Ethercat version	1xM12: Power IN
	1: US +
	2: UA -
	3: US -
	4: UA +
LEDs	
US	US power ON
UA	UA power ON
E1...E8	IO-Link channel status
B1...B8	ON: Class B; OFF: Class A
DS	Device State
C1	BUS1 communication
C2	BUS2 communication
IoT	IoT communication
Configuration and parametrization	
Dedicated software tool	K-EASY