



EP6228 | 8-channel IO-Link master

The EP6228 IO-Link module enables connection of up to eight IO-Link devices, e.g. IO-Link box modules, actuators, sensors or combinations thereof. A point-to-point connection is used between the module and the device. The terminal is parameterised via the EtherCAT master. IO-Link is designed as an intelligent link between the fieldbus level and the sensor, wherein parameterisation information can be exchanged bidirectionally via the IO-Link connection. The parameterisation of the IO-Link devices with service data can be done from TwinCAT via ADS or very conveniently via the integrated IO-Link configuration tool.

In the standard setting, the EP6228 functions as a 8-channel input terminal, 24 V DC, which communicates with connected IO-Link devices, parameterises them and, if necessary, changes their operating mode.

Technical data	EP6228-0022	EP6228-3032
Data transfer rates	4.8 kbaud, 38.4 kbaud and 230.4 kbaud	
Connection method	M12, screw type	
Specification version	IO-Link V1.1, Class A	IO-Link V1.1, Class B
IO-Link interfaces	8	
Nominal voltage	24 V DC (-15 %/+20 %)	
Distributed clocks	yes	–
Cable length	max. 20 m	
IO-Link sensor supply L+	24 V DC, 0.7 A per port, Σ 4 A for 8 ports	24 V DC, 1.4 A per port, Σ 11.2 A
IO-Link sensor supply 2L+	–	24 V DC, max. 4.0 A per port, Σ 4.0 A for each 2 ports
Current consumption from Us	typ. 130 mA + load	
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin	feed: 1 x 7/8" plug, 5-pin; downstream connection: 1 x 7/8" socket, 5-pin
Electrical isolation	500 V	
Weight	approx. 250 g	
Operating/storage temperature	-25...+60 °C/-40...+85 °C	
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27	
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4	
Protect. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable	
Approvals	CE, UL	CE, UL in preparation

Accessories	
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output
ZK2020-3xxx-xxxx	Cables for M8 power supply

Related products	
EP6224	EtherCAT Box, industrial housing, 4-channel IO-Link master, IP 67
EPP6228	EtherCAT P Box, industrial housing, 8-channel IO-Link master, IP 67
EL6224	EtherCAT Terminal, IO-Link master, IP 20
KL6224	Bus Terminal, IO-Link master, IP 20
EPIxxxx, ERIxxxx	IO-Link box modules, IP 67

System

IO-Link

For further IO-Link products please see the [system overview](#).



Product announcement

EP6228-0022: available
EP6228-3032: estimated market release 3rd quarter 2018