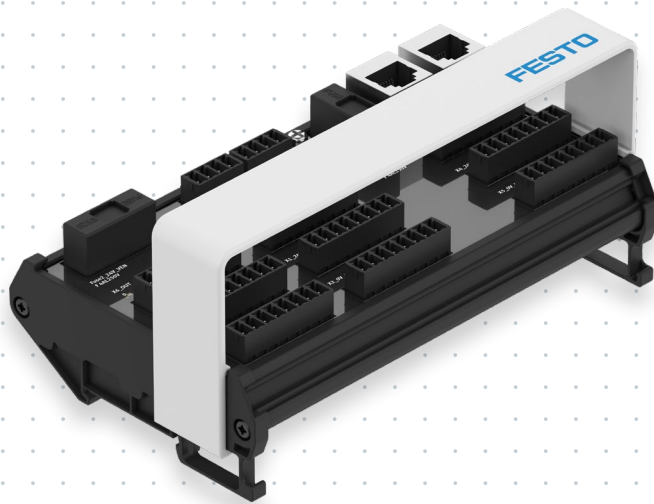




IO module CPX-AP-L



Highlights

- Decentralised and lightweight I/O system in IP20
- Highly flexible remote I/O system with maximum performance
- Scalable and easy to combine CPX-AP-I and CPX-AP-A to create a networked system
- End-to-end connectivity with extended diagnostics options
- Easy to integrate into the controller of your choice: PROFINET, EtherCAT®, EtherNet/IP, ModbusTCP
- Up to 80 modules are networked in real-time with a data rate of 200 Mbaud
- Cable lengths of up to 50 m between the modules
- NPN switching modules with 16 inputs or 16 inputs and 8 outputs on one module

The new I/O modules CPX-AP-L in IP20 can be seamlessly integrated into the CPX-AP system, including valve technology. They can be used for end-to-end networking and cost-effective integration of sensors and actuators, e.g. proximity switches and individual valves.

Variants and accessories for user-optimised design

The I/O module CPX-AP-L is available in two variants: 16 inputs or 16 inputs with 8 outputs. Both variants are NPN switching. Suitable accessories such as spring-loaded and screw terminals as well as cables with RJ45 and M8 connections are also available. This enables optimised engineering according to customer requirements and modular retrofitting.

Lower degree of protection – easy to mount

With degree of protection to IP20, the I/O modules CPX-AP-L are particularly suitable for use in control cabinets or areas that do not require a higher degree of protection and have little installation space. The modules can be flexibly combined with different degrees of protection. Mounting them using DIN mounting rails is easy, saves space and enables sensors and actuators to be integrated cost-effectively in AP systems.

Plug and play – easy to integrate and commission

Centralised or decentralised: with the I/O modules the integration into existing host systems is quick and easy and it offers real-time data transparency thanks to transmission rates of 200 Mbaud and cycle times of up to 250 µs. Further bus protocols are in the pipeline. Up to 80 modules can be networked in one system and commissioning and diagnostics are simplified with the appropriate tools.



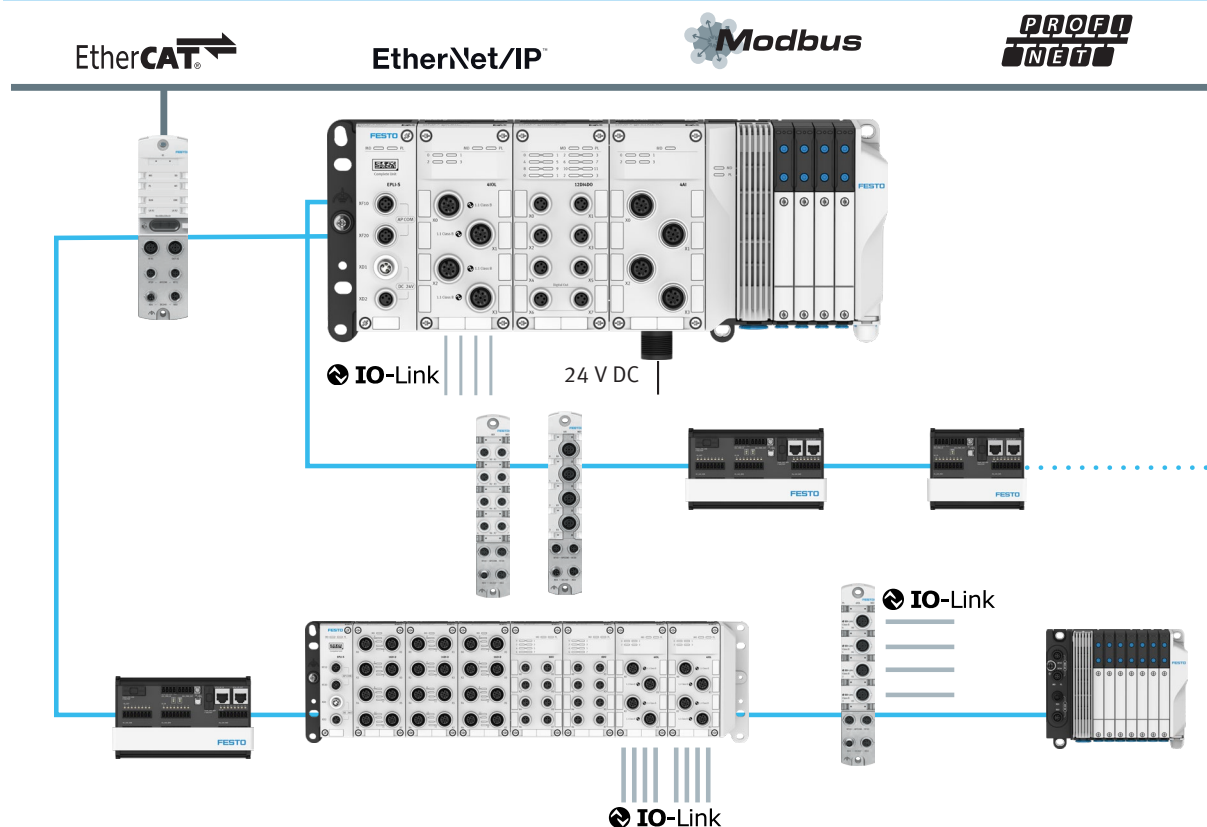
Additional information:

Product page

> www.festo.com/catalogue/cpx-ap-l



Topology



General technical data

IO module CPX-AP-L...		16NDI	16NDI8NDO
Digital inputs/outputs		16 inputs (NPN)	16 inputs / 8 outputs (NPN)
Dimensions with cover (W × L × H)		90 x 106 x 70 mm	90 x 152 x 70 mm
Product weight without cover		127 g	178 g
Product weight with cover		145 g	200 g
Ambient temperature		-20 ... +50 °C	
Degree of protection		IP20	
Corrosion resistance class (CRC)		0	
LABS (PWIS) conformity		VDMA24364 zone III	
Type of mounting		On DIN rail via accessories	
Housing material		PA66 PVC	
Note on materials		RoHS-compliant	
Communication interface	Protocol	AP	
	Function	System communication XF10 IN / XF20 OUT	
	Connection type	2 x socket	
	Connection technology	RJ45 socket	
	Number of pins/cores	4	