

Remote IO system taken to a whole new level

Decentralised IO system CPX-AP-I from Festo with degree of protection IP65/67 all set for factory digitalisation

The decentralised IO system CPX-AP-I allows compact and lightweight I/O modules as well as the decentralised valve terminals from Festo to be integrated into major host systems in a flexible and scalable way. Another advantage of CPX-AP-I is its seamless connectivity from the field level right through to the cloud, providing access to features such as predictive maintenance. This makes digitalisation incredibly easy.

CPX-AP-I lets users from the general machine building, automotive or electronic sectors transmit their machines' process data in real time. Up to 500 participants can be connected to the main systems with a cable length of up to 50 m between the modules. The benefit is that existing valve terminals from Festo can be easily integrated into the new system, so that nothing changes in terms of the pneumatic control sequence. An aspect that is forward-looking but already a reality is the system's connection to the IoT gateway CPX-IOT from Festo, enabling status data to be exchanged in cloud systems.

A digitalisation all-rounder

The all-rounder amongst remote IO systems is equipped with IO-Link technology as well as IO-Link device tool, simplifies commissioning without the need for additional software tools and has a plug-in for the Festo Automation Suite and for using a web server, all tailored to each customer's needs.

This makes the system perfect for applications in which installation space, decentralisation and digitalisation are key. Based on the new AP system communication from Festo, CPX-AP-I ensures fast and seamless communication in all common host environments. This gives users a machine design that meets the requirements of the digital factory of the future.

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CPX-AP-I

A remote IO system that is all set for the future of digitalisation: CPX-AP-I from Festo. (Photo: Festo SE & Co. KG)