

CPX terminal Ethernet/IP node CPX-FB32



For uniform and seamless communication technology throughout all the departments of your company: Ethernet/IP. The easy-to-service technology for preventive maintenance and reduction of down-time.

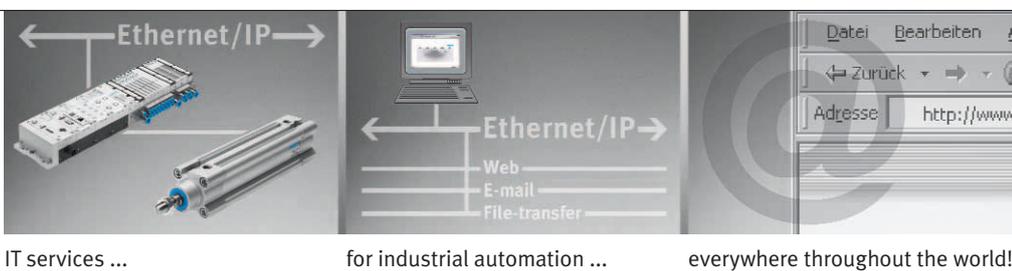
Provides your company with a single language from the operational and master-controller levels down to the harsh production environment at the field level, thanks to IP 65/67. This is now possible with CPX/MPA by using the new Festo Ethernet/IP node CPX-FB32, providing a link into a Rockwell Automation environment, like a CPX field bus node – but simply one technological step ahead.

Access to IT services from anywhere

With Industrial Ethernet, IT services such as a web server (e.g. integrated website, remote diag-

nosis and maintenance, visualisation of process and diagnostic data via web browser) and e-mail alarms are possible:

- Visualisation of process data via web pages. This represents a less expensive alternative to costly SCADA systems. Ready-made web pages for status and diagnostic data reduce your engineering costs.
- Integrated diagnostic concept and valve diagnostics, module- and channel-oriented, to increase machine availability, easily accessible via the optional hand-held operator unit CPX-MMI.



210.5.PSI →

Product Short Information

CPX terminal

Ethernet/IP node CPX-FB32

Technical data

Type	CPX-FB32
Degree of protection	IP 65/67
Display	Visual display of system diagnostics and network status via 8 diagnostic LEDs
Operator controls	DIL switches: Settings for device type, system diagnostics and IP address
Interfaces/connections	<ul style="list-style-type: none"> • Connection for CPX-MMI • Ethernet port with 4-pin M12 D-coded connector system: Transmission rates 10/100 Mbps/s
Ethernet	Industrial Ethernet protocol: Ethernet/IP
IP addressing	Allocation of IP address via: <ul style="list-style-type: none"> • DIL switches • DHCP/BootP protocol • CPX-MMI • Software tools
IT services	<ul style="list-style-type: none"> • Web server for remote maintenance • Remote diagnostics and visualisation of process data (integrated website) • E-mail alarm • DHCP (automatic IP address allocation)
System expansion	<ul style="list-style-type: none"> • Function as remote I/O or remote controller via Ethernet/IP • Supports full expansion of complete CPX periphery

Main applications:

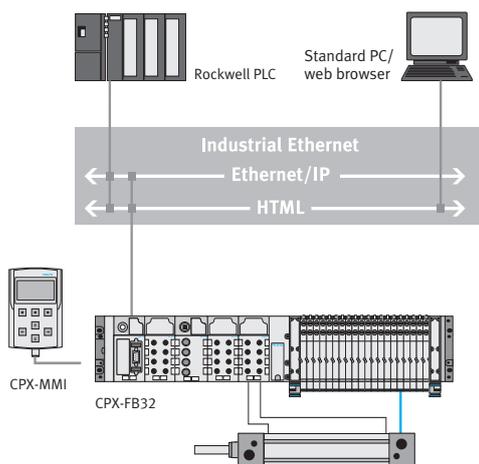
Production and process automation with high diagnostic requirements from the operational and master controller level down to the field level.



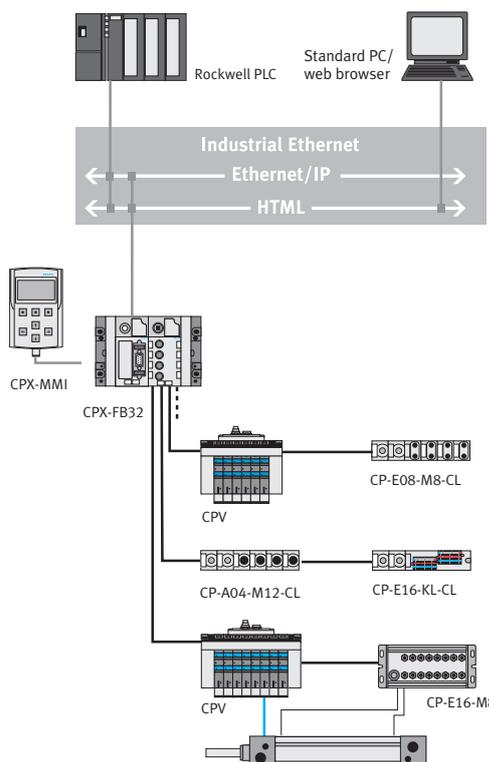
Ethernet/IP mode CPX-FB32

Control architecture

Control architecture
Modular terminal (central)



Control architecture
distributed system (decentralised)
CP installation system



More communication via Ethernet/IP node CPX-FB32

In contrast to the other protocols used in the world of Rockwell Automation, namely ControlNet and DeviceNet, Ethernet/IP allows not only I/O communication but also a wide range of IT functions such as:

- Status and device data accessible at any desired point within a network
- E-mail alarms
- Visualisation via web browser

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