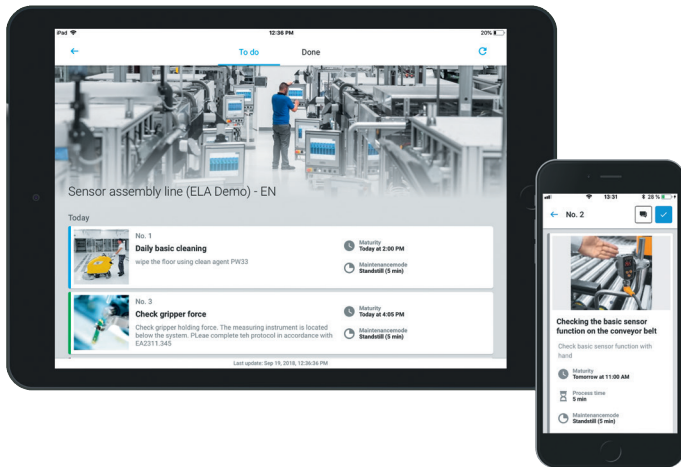




Characteristics

At a glance



The IOT gateway software Festo AX Data Access extracts data from Festo components and makes it available via MQTT. It is the easy way to build data-driven solutions using data from Festo components. This opens up a wide range of possibilities such as energy or condition monitoring.

Festo AX Data Access provides access to data from Festo components in completely newly designed and created solutions, as well as in existing systems (brownfield or greenfield).

This paves the way for:

- Making the installed base visible
- Implementing process monitoring in existing plants
- Realising integratable data-driven solutions that reduce downtime and energy consumption

Data is retrieved from Festo components and made available to other applications and IT systems via MQTT.

Festo AX Data Access is a protocol converter from OT to IT (Festo-specific protocols to MQTT) for a number of widely used Festo components:

- Electrical terminal CPX with valve terminal MPA-S or VTSA
- Servo drives CMMT-AS and CMMT-ST
- Intelligent service units MSE6-E2M and MSE6-C2M
- Remote I/O system CPX AP I

Benefits:

- Access to process, asset and smart data from devices in solutions that are completely newly designed and created, as well as in existing systems
- Transparency about the installed base of Festo components in terms of firmware version, IP address and much more.
- Easy access to sensor data without the need to adjust the PLC
- Basis for the modernisation of data-driven solutions on existing machines

Type code

001	Series	
GASA	AX Industrial App	
002	Area of application	
DA	AX data access	
003	Target environment	
CTR	Container provided	
004	Type of licence	
	Standard licence	
L1	Test licence	

005	Licence term	
	No time limit	
1M	1 month	
006	Number of assets or users	
	Without licence	
10	10 assets or users	
100	100 assets or users	
1000	1000 assets or users	

Ordering data

GASA-DA						
	Target environment	Type of licence	Licence term	Number of assets or users	Part no.	Type
	Container provided	Standard licence	No time limit	10 assets or users	8199718	GASA-DA-CTR-10
				100 assets or users	8199719	GASA-DA-CTR-100
				1000 assets or users	8199720	GASA-DA-CTR-1000
		Test licence	1 month	Without licence	8199717	GASA-DA-CTR-L1-1M

Supported components of the modular electrical terminal CPX, control block

	Programming software	Configuration support	Part no.	Type
	CODESYS provided by Festo	CODESYS V3	3473128	CPX-CEC-C1-V3

Supported components of the modular electrical terminal CPX, bus nodes

	Protocol	Field bus interface	Part no.	Type
	EtherCAT®	2x socket, M12x1, 4-pin, D-coded	2735960	CPX-FB37
	EtherNet/IP, Modbus TCP		1912451	CPX-FB36
	PROFINET IRT, PROFINET RT		8110369	CPX-FB43
		2x RJ45 push-pull socket, AIDA	8110370	CPX-M-FB44
		2x SCRJ push-pull socket, AIDA	8110371	CPX-M-FB45

Supported components of the modular electrical terminal CPX, input module

Supported components of the modular electrical terminal CPX, input module				
	Number of inputs	Switching logic for inputs	Part no.	Type
	2		526168	CPX-2AE-U-I
	4		541486	CPX-4AE-T
			560361	CPX-4AE-P-B2
			573710	CPX-4AE-U-I
			541484	CPX-4AE-I
			560362	CPX-4AE-P-D10
	8	NPN (negative switching)	543813	CPX-8NDE
		PNP (positive switching)	195750	CPX-8DE
	16		541480	CPX-8DE-D
			543815	CPX-16DE
		550202	CPX-M-16DE-D	

Supported components of the modular electrical terminal CPX, output module

	Number of outputs	Max. power supply per channel	Part no.	Type
	2		526170	CPX-2AA-U-I
	4	1 A (24 W lamp load)	195754	CPX-4DA
	8	0.5 A (12 W lamp load)	541482	CPX-8DA
		2.1 A (50 W lamp load), per channel pair	550204	CPX-8DA-H

Ordering data

Supported components of the modular electrical terminal CPX, input/output module				
	Number of inputs	Number of outputs	Part no.	Type
	8	8	526257	CPX-8DE-8DA

Supported components of the modular electrical terminal CPX, proportional-pressure regulator				
	Nominal size, supply	Pressure regulation range	Part no.	Type
	6 mm	0.006 ... 0.6 MPa	542218	VPPM-6TA-L-1-F-0L6H-S1
		0.01 ... 1 MPa	542219	VPPM-6TA-L-1-F-0L10H-S1
	8 mm	0.006 ... 0.6 MPa	572411	VPPM-8TA-L-1-F-0L6H-C1

Supported components of the modular electrical terminal CPX, electronics module for MPA-S					
	Max. number of valve positions	Internal current consumption, operating voltage	Internal current consumption, load voltage	Part no.	Type
	2	8 mA	3 mA	537983	VMPA2-FB-EMS-4
				543332	VMPA2-FB-EMS-D2-4
			23 mA	537984	VMPA2-FB-EMG-4
	4		3 mA	533360	VMPA1-FB-EMS-8
				543331	VMPA1-FB-EMS-D2-8
			23 mA	533361	VMPA1-FB-EMG-8