

Controller - AXC CLOUD-PRO - 2402985

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Axioccontrol for communicating with the PROFICLOUD. For controlling Axioline I/Os directly. With 2 Ethernet interfaces and programming capabilities according to IEC 61131-3. Complete with connector plug and marking field.


Your advantages

- ✓ Cloud controller for decentralized use of I/Os
- ✓ Numerous protocols supported such as: http, https, FTP, SNTP, SNMP, SMTP, SQL, MySQL, DCP, etc.
- ✓ Free engineering with PC Worx Express (IEC 61131-3)
- ✓ Up to 63 AXIO I/O modules can be mounted side by side
- ✓ Integrated UPS for targeted shutdown of the application
- ✓ Configuration via USB
- ✓ Web server HTML5 and JAVA
- ✓ SD card up to 2 GB as optional plug-in parameterization memory
- ✓ 2 x Ethernet interfaces (integrated switch)
- ✓ Increased resistance to EMI



PROFICLOUD COMPLETE

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 231150
GTIN	4055626231150
Weight per Piece (excluding packing)	240.000 g
Custom tariff number	85371098
Country of origin	Germany

Technical data

Dimensions

Controller - AXC CLOUD-PRO - 2402985

Technical data

Dimensions

Width	45 mm
Height	125.9 mm
Depth	74 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	10 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g

Control system

Engineering tool	PC WORX
Programming languages supported	Programming in acc. with IEC 61131-3
Supports cloud computing	yes
Cloud platform	Proficloud

Mechanical design

Weight	225.6 g
Diagnostics display	No
Controller redundancy	No
Safety function	No

Data interfaces

Interface	Axioline F local bus
Number	1
Connection method	Bus base module
Transmission speed	100 Mbps
Interface	Parameterization/operation/diagnostics
Number	1
Connection method	Micro USB type B
Interface	Ethernet
Number	2
Connection method	RJ45 jack
Transmission speed	10/100 Mbps

Controller - AXC CLOUD-PRO - 2402985

Technical data

Power supply

Typical current consumption	125 mA
Max. current consumption	160 mA
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	± 5 %
Power dissipation	max. 3 W

Fieldbus function

Number of supported devices	max. 63
Program memory	1 Mbyte

General data

Processor	Altera Nios II 100 MHz
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IEC 61131 runtime system

Engineering tool	PC WORX
Program memory	1 Mbyte
Mass storage	1 Mbyte
Retentive mass storage	48 kByte (NVRAM)
Number of control tasks	8
Realtime clock	Yes

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Interference emission	Noise emission test as per EN 61000-6-4 EN 55011 (emitted interference) Class A
Noise immunity	Noise immunity test in accordance with EN 61000-6-2 Electromagnetic fields EN 61000-4-3/IEC 61000-4-3 EN 61000-4-3 (radiated noise immunity) Criterion A, 10 V/m
Immunity to surge	Noise immunity test in accordance with EN 61000-6-2 Transient overvoltage (surge) EN 61000-4-5/IEC 61000-4-5 EN 61000-4-5 (surge) Criterion B
Immunity to burst	Noise immunity test in accordance with EN 61000-6-2 Fast transients (burst) EN 61000-4-4/IEC 61000-4-4 EN 61000-4-4 (EFT burst) Criterion B; Supply lines: 2 kV; Signal/data lines: 2 kV
Immunity to ESD	Noise immunity test in accordance with EN 61000-6-2 Electrostatic discharge (ESD) EN 61000-4-2/IEC 61000-4-2 EN 61000-4-2 (ESD) Criterion B, 6 kV contact discharge, 8 kV air discharge
Immunity to conducted interference	Noise immunity test in accordance with EN 61000-6-2 Conducted interference EN 61000-4-6/IEC 61000-4-6 EN 61000-4-6 (line noise immunity) Criterion A, Test voltage 10 V
Noise emission	EN 61000-6-4
Vibration (storage/transport)	5g

Controller - AXC CLOUD-PRO - 2402985

Technical data

Standards and Regulations

Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	5g
Shock (operation)	10g (Bump endurance test according to DIN EN 60068-2-27)

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27242207
eCl@ss 4.0	27240602
eCl@ss 4.1	27240602
eCl@ss 5.0	27242700
eCl@ss 5.1	27242700
eCl@ss 6.0	27242200
eCl@ss 7.0	27242207
eCl@ss 8.0	27242207
eCl@ss 9.0	27242207

ETIM

ETIM 3.0	EC001045
ETIM 4.0	EC001435
ETIM 5.0	EC000236
ETIM 6.0	EC000236
ETIM 7.0	EC000236

UNSPSC

UNSPSC 13.2	39122114
UNSPSC 18.0	39122114
UNSPSC 19.0	39122114
UNSPSC 20.0	39122114
UNSPSC 21.0	39122114

Controller - AXC CLOUD-PRO - 2402985

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cULus Listed			
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Accessories

Accessories

License

License - CLOUD CREDIT-10 - 2402986



Runtime license for using devices in the PROFICLOUD, credit: 87600 units

Controller - AXC CLOUD-PRO - 2402985

Accessories

License - CLOUD CREDIT-5 - 2402987



Runtime license for using devices in the PROFICLOUD, credit: 43800 units

License - CLOUD CREDIT-2 - 2402988



Runtime license for using devices in the PROFICLOUD, credit: 17520 units

License - CLOUD CREDIT-1 - 2402989



Runtime license for using devices in the PROFICLOUD, credit: 8760 units

Spare parts

Bus connector - AXL BS BK - 2701422



Axoline F bus base module for housing type BK
