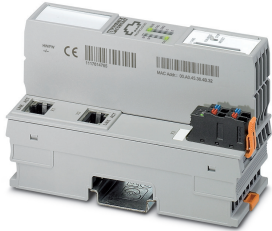


## Controller - AXC CLOUD-PRO - 2402985

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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



### 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

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## 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

### IoT capability

Supports cloud computing	yes
IoT platform	PROFICLOUD

### Control system

Engineering tool	PC WORX
Programming languages supported	Programming in acc. with IEC 61131-3

### 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

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## Technical data

### Data interfaces

Transmission speed	10/100 Mbps
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### 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

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## Technical data

### Standards and Regulations

Noise emission	EN 61000-6-4
Vibration (storage/transport)	5g
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 11.0	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 9.0	27242207

### ETIM

ETIM 3.0	EC001045
ETIM 4.0	EC001435
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

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## Approvals

### Approvals

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#### Approvals




UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
cULus Listed			

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