



POLARIS PROFESSIONAL

POLARIS II Panel PC 19.1" for ATEX Zone 2 and ATEX Zone 21/22



POLARIS II Panel PC 19.1"

for ATEX Zone 2 and ATEX Zone 21/22

Features

- In the stainless enclosure tiltable
- Ethernet interface
- Graphics-capable TFT colour display
- Direct linkage in hazardous areas
- Optional touchscreen
- Optional WLAN

Description

The POLARIS II Panel PC 19.1" is based on a fast Intel® Atom™ Processor.

The Ethernet interface enables individual computers or network devices such as for example a printer to be connected to an existing local network (LAN) (optionally through WLAN also) or local networks to be set up completely wirelessly.

Allows high-performance visual display and operation of the processes directly on site.

State-of-the-art display technology provides optimum contrast even with a large viewing angle.

To allow the greatest ease in utilisation the devices are available for wall, floor or table mounting.

A keyboard with integrated trackball or touchpad can be connected. There is also the option of a touchscreen for the ultimate in operating ease.

As standard, the POLARIS II Panel PC 19.1" has pre-installed Windows® XP Professional. This means that the PCs are open for many different software packages, for example customized software or various types of commercially available standard visualisation software.

Explosion protection

ATEX Zone 2

Ex protection type

Ex II 3G Ex nA IIC T5

Certification

IBExU 09 ATEX B009

ATEX Zone 21/22

Ex protection type

Ex II 2D Ex tD A21 IP65 T100 °C
-25 °C ≤ T_a ≤ +50 °C

Certification

IBExU 09 ATEX 1113 X

Further approval

GOST-R

Protection class

IP 65

Technical data

Construction

Stainless steel enclosure

Display

- 19.1" graphics-capable TFT colour display
- 16.7 million colours
- SXGA resolution, 1280 x of 1024 pixels
- Brightness 300 cd/m²
- Visible surface approx. 376 x 301 mm
- Contrast 1300:1
- Option of touchscreen (resistive)

Backlighting

- CFL technology
- Service life approx. 50,000 hours (at +25 °C)

Computer capacity

- Intel® Atom™ Processor 1.6 GHz
- 1 GB RAM
- 8 GB CF memory
- further memory variants available on request

Interfaces (basic version)

- 2 x Ethernet 100BaseT
- 2 x PS/2 for keyboard and mouse
- 2 x RS232 Sub D (2 x RS232 optional)
- 4 x USB

Operating system

Windows® XP Professional (pre-installed)

Dimensions (width x height x depth)

610 mm x 450 mm x approx. 100 mm

Weight

approx. 17 kg

Rated voltage

AC 110 to 230 V, 47 to 63 Hz
DC 24 V

Input voltage range

AC 90 to 253 V
DC 24 V ± 10 %

Max. power consumption

P_{max.} < 75 W

Permissible ambient temperatures

Storage -25 °C to +60 °C
Operation 0 °C to +50 °C

Relative air humidity

5 to 95 % non-condensing

Material

Stainless steel

Optional accessories

- Keyboard with integrated trackball 38 mm
- Keyboard with integrated trackball 50 mm
- Keyboard with integrated touchpad



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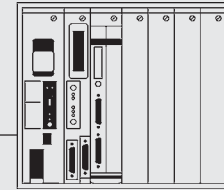
Possible connection



Safe area



Ethernet



PLC

Selection chart

Version	Code no.	Input voltage	Code no.	Description	Code no.	Keyboard language	Code no.	Insert unit	Code no.
POLARIS II Panel PC 19.1" without touchscreen	6	AC 90 to 253 V	1	Base unit, tilt	0	German	1	Trackball 50 mm	1
				Table mounting, swivel/tilt	1	English	2	Trackball 38 mm	2
POLARIS II Panel PC 19.1" with touchscreen	5	DC 24 V	2	Floor mounting, swivel/tilt	2	French	3	Touchpad	4
				Wall mounting, swivel/tilt	3				



Complete order no.

17-7 V4- 0/ 00

Please insert correct code.

Technical data subject to change.

Ex area	Code no.
Zone 21/22	1
Zone 2	2