



POLARIS PROFESSIONAL

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



POLARIS II PANEL PC 22"

for ATEX Zone 2 and ATEX Zone 21/22

Features

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

Description

The POLARIS II Panel PC 22" 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 touch screen for the ultimate in operating ease.

As standard, the POLARIS Professional 22" 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

II 3G Ex nA IIC T5

Certification

IBExU 09 ATEX B009

ATEX Zone 21/22

Ex protection type

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

- 22" graphics-capable TFT colour display
- 16.7 million colours
- WSXGA+ resolution, 1680 x of 1050 pixels
- Brightness 300 cd/m²
- Visible surface approx. 474 x 296 mm
- Contrast 1000:1
- 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

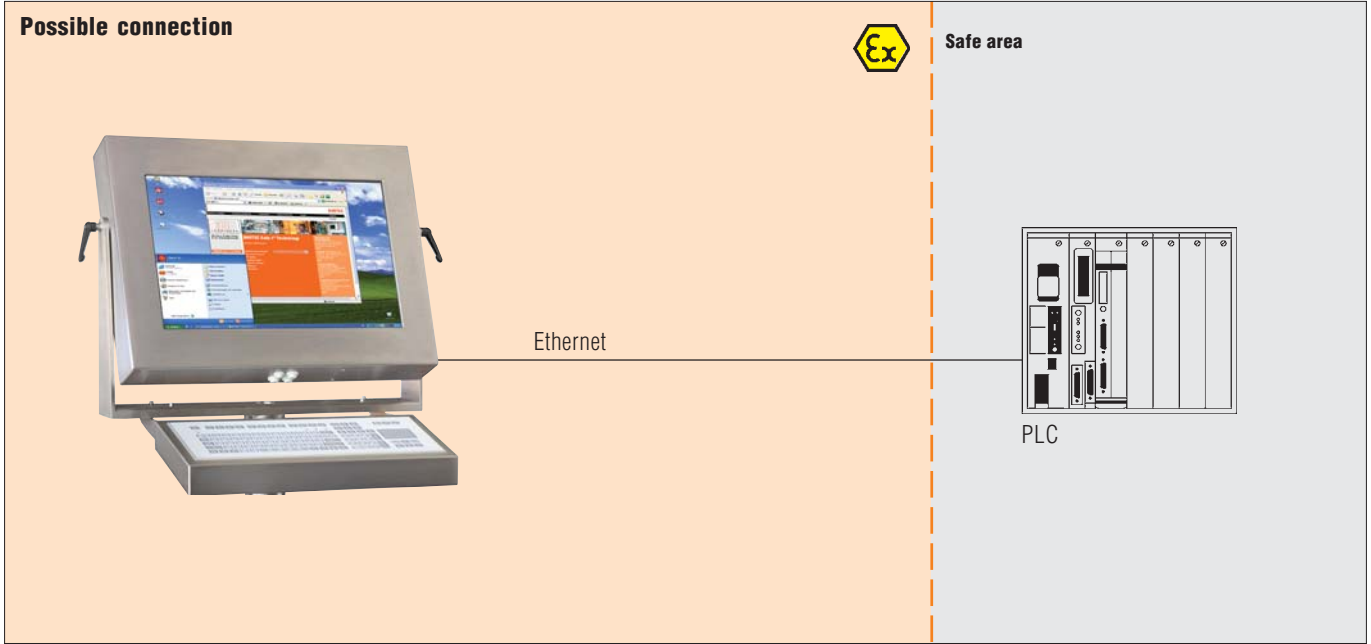
Stainless steel

Optional accessories

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



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Selection chart

Version	Code no.	Input voltage	Code no.	Description	Code no.	Keyboard language	Code no.	Insert unit	Code no.
POLARIS II Panel PC 22" without touchscreen	4	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 22" with touchscreen	3	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