



POLARIS Panel PC 24" Professional

Features

- Ethernet interface
- Easy front panel fitting
- Intrinsically safe USB interface
- Full HD resolution
- Direct linkage in explosive areas
- Optional touchscreen
- Optional WLAN
- Siemens PROFIBUS-DP/MPI-Interface

Description

The POLARIS Panel PC 24" Professional is based on a fast Intel® Atom™ Processor.

The Ethernet interface can be used to connect individual computers or network devices, e.g. a printer, to an existing local network (LAN) (WLAN is also an optional possibility) or local networks can be set up completely wirelessly.

This facilitates a high-performance visualization and operation of the processes directly on site.

The wired electrical connections are realized via a terminal compartment of the "e" type of protection (increased safety).

The state-of-the-art display technology guarantees an optimum contrast, even with large viewing angle.

The front panel fitting assures easy installation. Upon request, the devices are also available as turn-key system solutions in a stainless steel enclosure as wall, floor or ceiling mounting versions.

An intrinsically safe USB interface is available for a USB Ex i memory stick.

Intrinsically safe input devices can be connected also. The optional (intrinsically safe) touchscreen offers the optimum in operating comfort.



As a standard, Windows XP Professional® is pre-installed on the Panel PCs, supporting the installation of numerous software packages such as customer-specific software or other conventional standard visualization software.

Of course, here too the operator can also work with the supplier "BMS-Graf-pro" programming package (Version 7.xxx or newer).

The supplier PROFIBUS-DP interface can only be used in connection with the supplier "BMS-Graf-pro" software.

➔ Explosion protection

Ex protection type

ATEX  II 2G Ex db eb qb [ib op pr] IIC T4
 II 2D Ex tb IIIC T120°C IP 6X

Certification

IBExU 05 ATEX 1117 X

IECEX Ex db eb qb [ib] IIC T4
Ex tb IIIC T120°C IP 6X

Certification

IECEX IBE 11.0007 X

Protection class

IP 65 (front side)

IP 54 (rear side)

➔ Technical data

Construction

Front panel fitting

Display

- 24" graphics-capable TFT colour display
- 16.7 million colours
- Full HD resolution, 1920 x 1080 pixels
- Brightness 300 cd/m²
- Visible area approx. 531 x 299 mm
- Contrast 3000:1
- Antireflection coating glass pane
- Optional touchscreen (resistive)

Backlight illumination

LED illumination

Computer capacity

- Intel® Atom™ Processor, 1.6 GHz
- 1 GB RAM, optional 2 GB RAM
- 100 GB SATA HD

Operating system

Windows XP Professional® (pre-installed)
Windows 7® (optional)

Open platform for customer-specific visualization software, e. g. ProTool, WIN CC flexible, etc.

Interface (Basic version)

- 1 x Ex e Ethernet 100/10BaseT (option of optical fibres)
- 1 x Ex e RS422
- 1 x Ex i USB for Ex i memory stick
- 2 x Ex i PS/2 for intrinsically safe keyboard and mouse

Optional interface modules

- 1 x Ex i Supply module for hand-held scanner
- 1 x Ex d USB direct connection (via Ex d socket) e. g. connection by means of WLAN
- 1 x Ex e USB

Dimensions (width x height x depth)

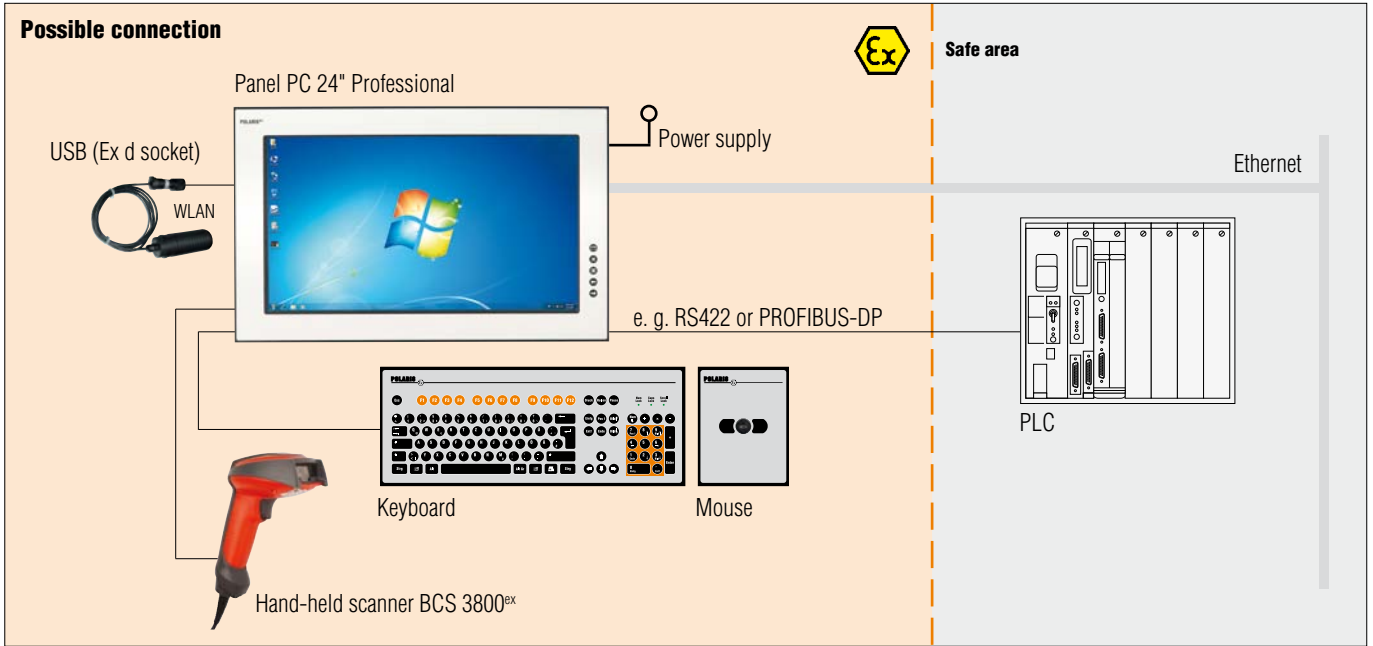
644 mm x 406 mm x approx. 135 mm

Wall cut-out

630 mm x 392 mm + 0.5 mm



POLARIS PROFESSIONAL POLARIS Panel PC 24" Professional



Weight

approx. 40 kg

Power supply

AC 90 to 253 V, 50 to 60 Hz
DC 24 V ± 10 % on request

Max. power consumption

$P_{max} < 100 \text{ W}$
depending on the variant

Admissible ambient temperature

Storage -20 °C to +50 °C
Operation 0 °C to +50 °C

System solution with heating on request.

Humidity

5 to 95 % non-condensing

Vibration

0.7 G/1 mm; 5 Hz - 500 Hz pulse in all 3 axes

Shock

15 G, 11 ms pulse in all 3 axes

Material

Front Polyester foil on anodised aluminium plate (conditionally UV-resistant)
Rear panel galvanised sheet steel, bichromated

Selection chart

Version	Code no.	Interface	Code no.
Panel PC 24" Professional without touchscreen	C	RS422	00
		PROFIBUS-DP	04
		RS422, supply module for hand-held scanner	08
		PROFIBUS-DP supply module for hand-held scanner	12
		RS232	32
		TTY	36
Panel PC 24" Professional with touchscreen	D	RS232, supply module for hand-held scanner	40
		TTY, supply module for hand-held scanner	44
		Siemens PROFIBUS-DP/ Interface MPI	64
		USB Ex e/RS422	76
		Further Interface combinations on request	XX

➔ **Complete order no. 17-71V1-** **0**

Please insert correct code.

Technical data subject to change without notice.

You will find the accessories with order details on the accessories pages.