

# POLARIS Panel PC 19.1" with keyboard and mouse



## Features

- Ethernet interface
- Easy front panel fitting
- Simple download via USB EEx i-memory stick
- 19.1" graphic-capable TFT colour display
- Direct linkage in explosive areas
- Optional touch screen
- Optional WLAN



## Description

The POLARIS Panel PC 19.1" is based on a fast Intel® Pentium® M processor and is equipped with all conventional interfaces. By means of the WLAN technology, individual computers or network devices such as printers or DSL access points can be wirelessly connected to an existing local network (LAN) 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 of 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 for a USB EEx i-memory stick enables the device configuration's easy transferability.

An intrinsically safe keyboard as well as a mouse, a track ball and a touch pad are available as front panel fitting. Optionally, a touch screen (intrinsically safe), assuring an absolutely maximum operator convenience, is available.

As a standard, Windows® XP Professional is preinstalled on the Panel PCs, supporting the installation of numerous software packages such as customer-specific software or other conventional standard visualization software. Of course, the operator can also employ the BARTEC "BMS Graf pro" software package.

### Technical data

#### Construction

Front panel fitting

#### Display

- 19.1" TFT graphic display
- 16.7 million colours
- SXGA resolution 1280 x 1024 pixels
- Brightness 250 cd/m²
- Visible area approx. 380 x 305 mm
- Contrast 700:1
- Antireflection coating glass pane
- Optional touch screen

#### Backlight illumination

- CFL illumination
- Service life approx. 40,000 hours

#### Computer capacity

- Pentium® M Processor, 1.1 GHz
- Graphic memory 32 MB
- 512 MB RAM, 20 GB memory

#### Operating system

Windows® XP Professional (pre-installed)  
Open platform for customer-specific visualization software, e. g. ProTool, WIN CC flexible, etc.

#### Keyboard

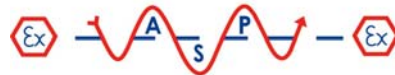
- Front panel fitting
- Several languages

#### Mouse

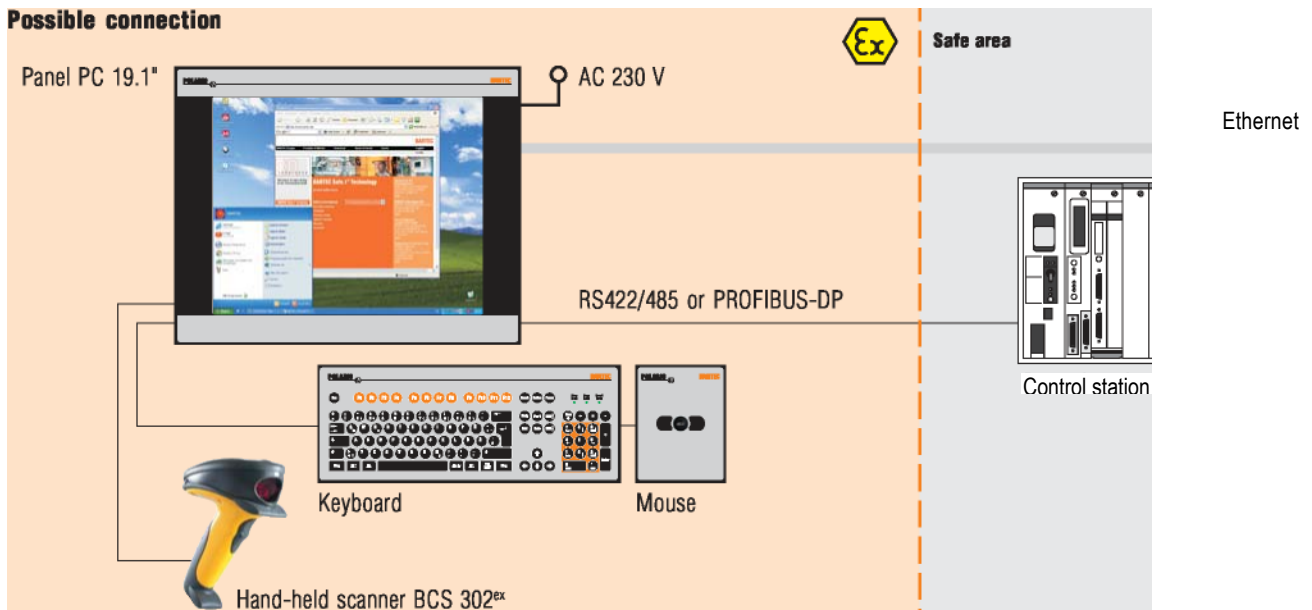
- Front panel fitting
- Available as mouse, track ball or touch pad

#### Interface

- Ethernet 10BaseT
- RS422/RS485 or PROFIBUS-DP
- USB for EEx i-memory stick
- 2 x PS/2 for keyboard and mouse



**Possible connection**



**Optional interface modules**

- Supply module for hand-held scanner
- WLAN
- USB-Touch
- Additional USB

**Dimensions** (width x height x depth)

498 mm x 400.5 mm x approx. 135 mm

**Wall cut-out**

485.5 mm x 388 mm + 0.5 mm

**Weight**

Approx. 34 kg

**Power supply**

AC 230 V 50 to 60 Hz

**Admissible ambient temperatures**

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

**Material**

Front Polyester foil on aluminium sheet  
Rear panel galvanised sheet steel

**Selection chart**

Version	Code no.	Interface	Code no.	Keyboard	Code no.
Panel PC 19.1" without touch screen	5	RS422/485	00	German	1
		PROFIBUS-DP	04	English	2
Panel PC 19.1" with touch screen	7	RS422/485, supply module for hand-held scanner	08		
		PROFIBUS-DP, supply module for hand-held scanner	12		

**Explosion protection**

**Ex protection type**

II 2G Ex e q [ib] IIC T4  
II 2D tD A21 T 80 °C IP 6X (front side)

**Certification**

IBExU05ATEX1117 X

**Protection class**

IP 65 (front side)

**Supplied by:**

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