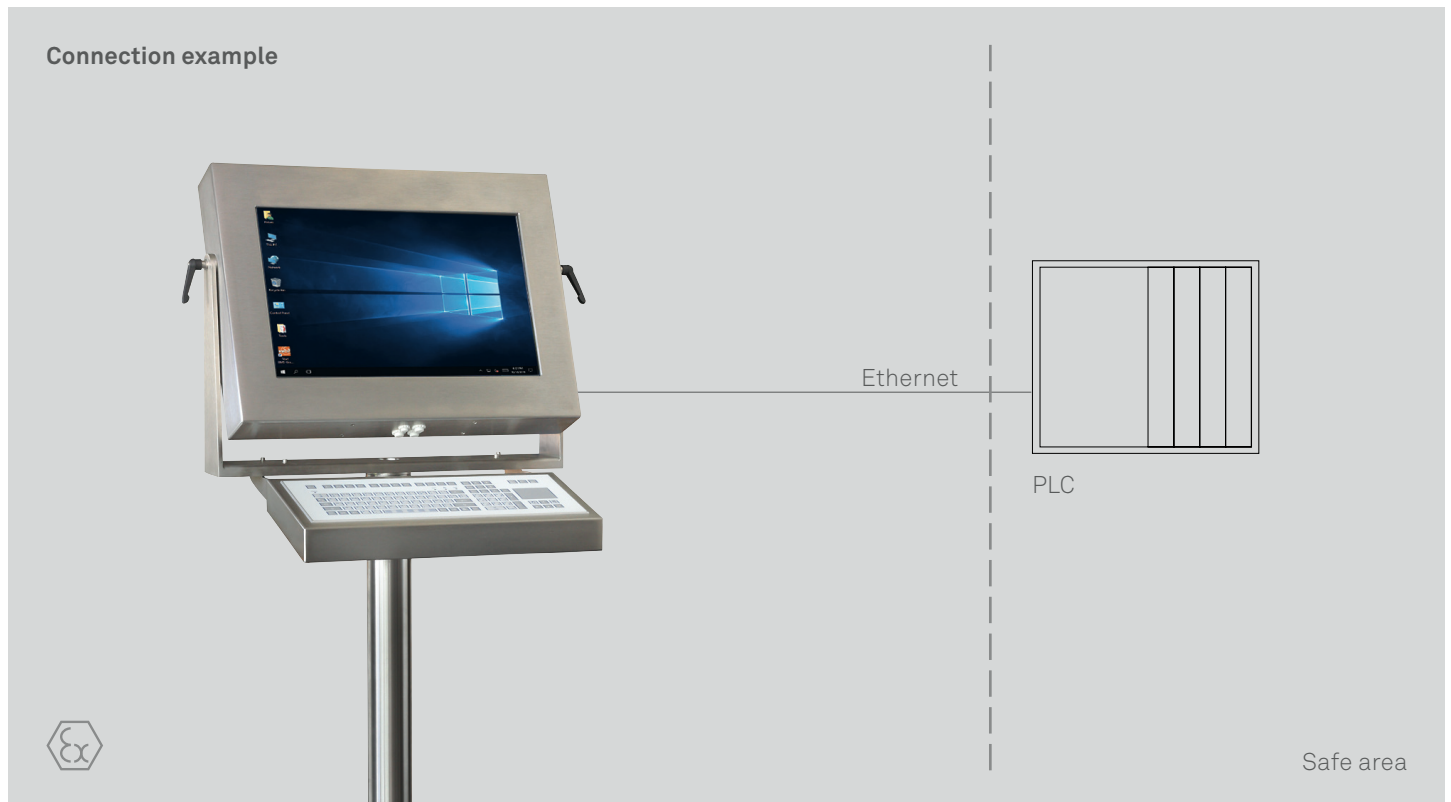


# POLARIS II Professional Panel PC

for Zone 2 and 21/22



Der POLARIS II Panel-PC is equipped with the Intel® Celeron® J1900 or the Intel® Core™ core® i5-7300U as standard. Allows high-performance visualisation and operation of the processes directly on site. Windows 7® Ultimate or Windows 10® IoT are available as an operating system

The wired electrical connections are made in a stainless steel enclosure. State-of-the-art display technology provides optimum contrast even with a large viewing angle. The devices are available as wall, floor or ceiling mounting versions. The optional touchscreen offers the ultimate in operating comfort.

- ATEX/IECEx Certificate
- OS Recovery on Board
- Optionales Smart Device: Bluetooth or W-LAN



## Explosion protection

Marking ATEX Zone 2 and 21	Ex II 3(2)G Ex ec ib [ib IIC or IIB Gb] IIC T4 Gc Ex II 3G Ex ec ib IIC T4 Gc Ex II 2D (2G) Ex ib tb [ib IIC or IIB Gb] IIIC T120 °C Db -25 °C Ta +50°C
Certification	IBExU 05 ATEX 1117 X
Marking IECEX	Ex ec ib [ib IIC or IIB Gb] IIC T4 Gc Ex ec ib IIC T4 Gc Ex ib tb [ib IIC or IIB Gb] IIIC T120 °C Db -25 °C ≤ Tamb ≤ +50 °C
Certification	IECEX IBE 21.0004X

The marking is variable and depends on type and components used.  
Other approvals and certificates, see [bartec.com](http://bartec.com)

## Technical data

Construction	Stainless steel enclosure
Protection class	IP 65
Computer performance	<b>Intel® Celeron® J1900</b> (quad-core up to 2.42.GHz) 4 GB RAM with 32 bit operating system 8 GB RAM with 64 bit operating system 128 GB SSD (MLC)  alternative <b>Intel® Core™ i5-7300U</b> (duel-core up to 2.6.GHz) 16 GB RAM 256 GB SSD (MLC)  Other variants on request.
Interfaces (Basic version)	2 x Ethernet 100BaseT 3 x USB Type A 3 x USB Ex i Optional: Serial Interface RS232/422/485
Audio	internal PC housing loudspeaker (optional)
Bluetooth	Optional via Smart Device e.g. connection to BARTEC BCS Bluetooth hand scanner (also zone 1)
WLAN	Optional via Smart Device
Optional accessories	Hand-held scanner on request
Power supply	DC 24 V ± 10 % AC 100 to 230 V, 50 or 60 Hz
Input voltage range	DC 24 V ± 10 % AC 90 V or 253 V
Max. power consumption	P <sub>max.</sub> < 75 W
Admissible 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, polyester film
Optional accessories	<b>Zone 2/22</b> Stainless steel enclosure with Keyboard with integrated trackball 38 mm Keyboard with integrated touchpad <b>Zone 1/2/21/22</b> Stainless steel enclosure with Keyboard and separate trackball 50 mm (POLARIS Zone 1 serie)

## Variants

POLARIS II Professional	Panel PC 19,1"	Panel PC 21,5" W	Panel PC 24" W
Graphics-capable TFT colour display	19,1"	21,5" W	24" W
Colours	16.7 million	16.7 million	16.7 million
Resolution	SXGA 1280 x 1024	Full HD 1920 x 1080	Full HD 1920 x 1080
Brightness	300 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Visible area approx.	376 x 301 mm	476 x 268 mm	531 x 299 mm
Contrast	1300:1	5000:1	5000:1
Touchscreen (resistive)	optional	optional	
Backlighting	LED technology	LED technology	LED technology
Service life approx. (at +25 °C)	50,000 hours	50,000 hours	50,000 hours
Display unit (in mm)	610 x 450 x approx. 100	610 x 450 x approx. 100	660 x 450 x approx. 100
with mounting adapter and keyboard (in mm)	730 x 520 x approx. 400	730 x 520 x approx. 400	785 x 610 x approx. 400
Weight	approx. 17 kg	approx. 17 kg	approx. 19 kg

## Ordering information

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 A B C D E F

A	<b>Designation</b> 6 – POLARIS II Panel PC 19,1" without touchscreen 5 – POLARIS II Panel PC 19,1" with touchscreen B – POLARIS II Panel PC 21,5" without touchscreen C – POLARIS II Panel PC 21,5" with touchscreen 8 – POLARIS II Panel PC 24" W without touchscreen 7 – POLARIS II Panel PC 24" with touchscreen	
B	<b>Input voltage</b> 1 – AC 90 to 253 V 2 – DC 24 V	
C	<b>Farbe</b> S – Windows 7® Ultimate (32 Bit) K – Windows 10 lot Enterprise (32 Bit) L – Windows 10 lot Enterprise (64 Bit)	
D	4 – Intel® Celeron® J1900 (quad-core up to 2.42.GHz) 6 – Intel® Core™ i5-7300U (duel-core up to 2.6.GHz) 16 GB RAM	
E	<b>Keyboard language, integrated version</b> 1 – German 2 – English 3 – French	<b>Keyboard language, separate version</b> 1 – German 2 – English 3 – French x – others on request
F	<b>Input device, integrated version</b> 2 – Trackball 38 mm 4 – Touchpad	<b>Input device, separate version</b> 5 – Trackball 50 mm

Please insert code number. Subject to technical changes.  
 Accessories with order details can be found on the accessory pages.

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