BARTEC

Polaris Remote ZeroClient
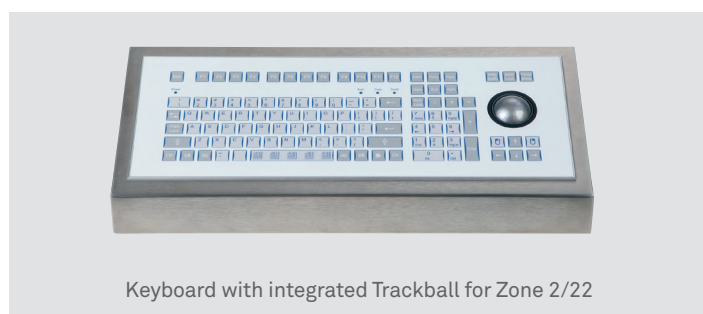
for Zone 2 and 21/22

Connection example

Ethernet

PC, server, virtual PC

Safe area
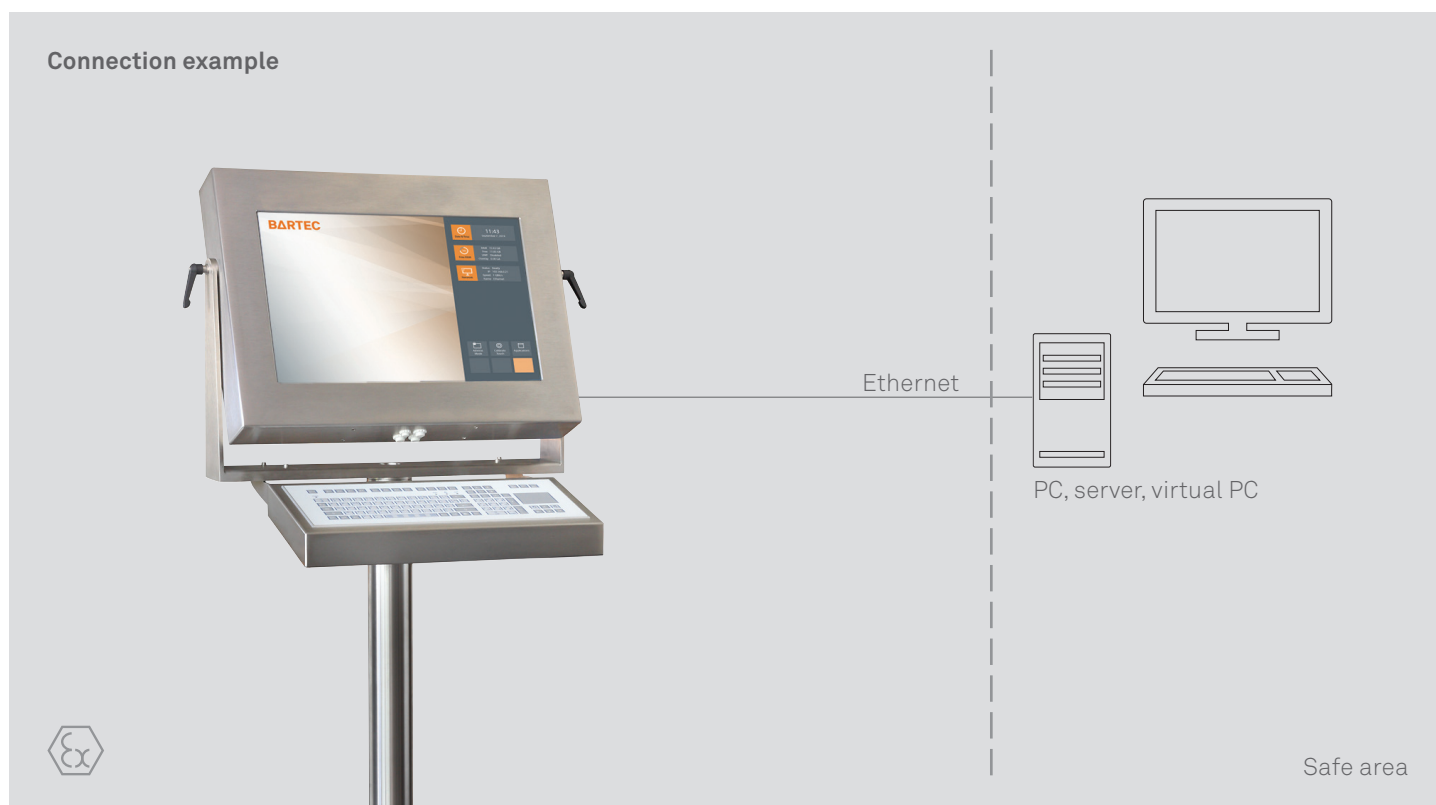
The **POLARIS ZeroClient series is the modern safe remote HMI series for the hazardous area. The connection is based on the RDP10 protocol to control a remote computer. The ZeroClient shell, developed by BARTEC itself, comes in a user-friendly tile look and was designed in conformance to today's safety standards to prevent any risks emanating from the user or the network.**

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.

- Bartec ZeroClient Shell
- Based on the RDP 10 protocol
- Optional Smart Device:
  Bluetooth or W-LAN

POLARIS Remote ZeroClient

Keyboard with integrated Trackball for Zone 2/22

Keyboard with separate Trackball for Zone 1/2/21/22

Explosion protection

Marking ATEX Zone 2 and 21	Ex II 3(2)G Ex ec ib [ib IIC oder IIB Gb] IIC T4 Gc Ex II 3G Ex ec ib IIC T4 Gc Ex II 2D (2G) Ex ib tb [ib IIC oder 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**

Technical data

Construction	Stainless steel enclosure
Protection class	IP 65
Interfaces (Basic version)	2 x Ethernet 100BaseT 4 x USB (for version with keyboard and mouse, 1 x on terminals) 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	$P_{max.} < 75$ 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	Zone 2/22 Stainless steel enclosure with Keyboard with integrated trackball 38 mm Keyboard with integrated touchpad Zone 1/2/21/22 Stainless steel enclosure with Keyboard and separate trackball 50 mm (POLARIS Zone 1 serie)

Variants

POLARIS II Remote	ZeroClient 19.1''	ZeroClient 21.5'' W	ZeroClient 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/m²	250 cd/m²	300 cd/m²
Visible area approx.	376 x 301 mm	476 x 268 mm	531 x 299 mm
Contrast	1300:1	1000:1	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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1  7 - 7  2  V  4 - *  *  Y  4 / *  *  0  0
                    A  B        C  D
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A	Designation 6 – POLARIS II Zero Client 19.1" without touchscreen 5 – POLARIS II Zero Client 19.1" with touchscreen B – POLARIS II Zero Client 21.5" without touchscreen C – POLARIS II Zero Client 21.5" with touchscreen 8 – POLARIS II Zero Client 24" without touchscreen 7 – POLARIS II Zero Client 24" with touchscreen
B	Input voltage 1 – AC 90 to 253 V 2 – DC 24 V

C	Keyboard language, integrated version 1 – German 2 – English 3 – French	Keyboard language, separate version 1 - German 2 - English 3 - French x - others on request
D	Input device, integrated version 2 – Trackball 38 mm 4 – Touchpad	Input device, separate version 5 – Trackball 50 mm

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