



## POLARIS ZeroClient 17.3"

### Features

- Safety principle
- Direct linkage in explosive areas
- Ethernet interface
- Easy front panel fitting
- Graphic-capable TFT colour display

### Description

The POLARIS ZeroClient series is the modern safe remote HMI series for the Zone 1 hazardous area.

The connection is based on the RDP7 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 via a terminal compartment in the "e" (increased safety) type of protection.

State-of-the-art display technology provides optimum contrast even with a large viewing angle.

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

Intrinsically safe input devices can be connected also. The optional (intrinsically safe) touch screen offers the ultimate in operating comfort.

### ➤ Explosion protection

#### Ex protection type Zone 1 and 21

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

#### Certification

IBExU 05 ATEX 1117 X

#### IECEX Ex db eb qb [ib op pr] IIC T4

Ex tb IIIC T120 °C

#### Certification

IECEX IBE 11.0007 X

#### Protection class

IP 65 (front)

IP 54 (back)

#### Variant Zone 2

see BARTEC Internet: [www.bartec-group.com](http://www.bartec-group.com)

### ➤ Technical data

#### Construction

Front panel fitting

#### Display

- 17.3" graphics-capable TFT colour display
- 16.7 million colours
- Full HD resolution, 1920 x 1080 pixels
- Brightness 400 cd/m<sup>2</sup>
- Visible area approx. 382 x 215 mm
- Contrast 600:1
- Antireflection coating glass pane
- Optional touchscreen (resistive)

#### Backlight illumination

- LED illumination
- Service life approx. 50,000 hours (at +25 °C)

#### Interfaces

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

#### Optional accessories

Hand-held scanner on request

#### Dimensions (width x height x depth)

503 mm x 314 mm x approx. 135 mm

#### Wall cut-out

489 mm x 300 mm + 0.5 mm

#### Weight

approx. 33 kg

#### Power supply

AC 90 to 253 V, 50 to 60 Hz

DC 24 V ± 10 % on request

#### Max. power consumption

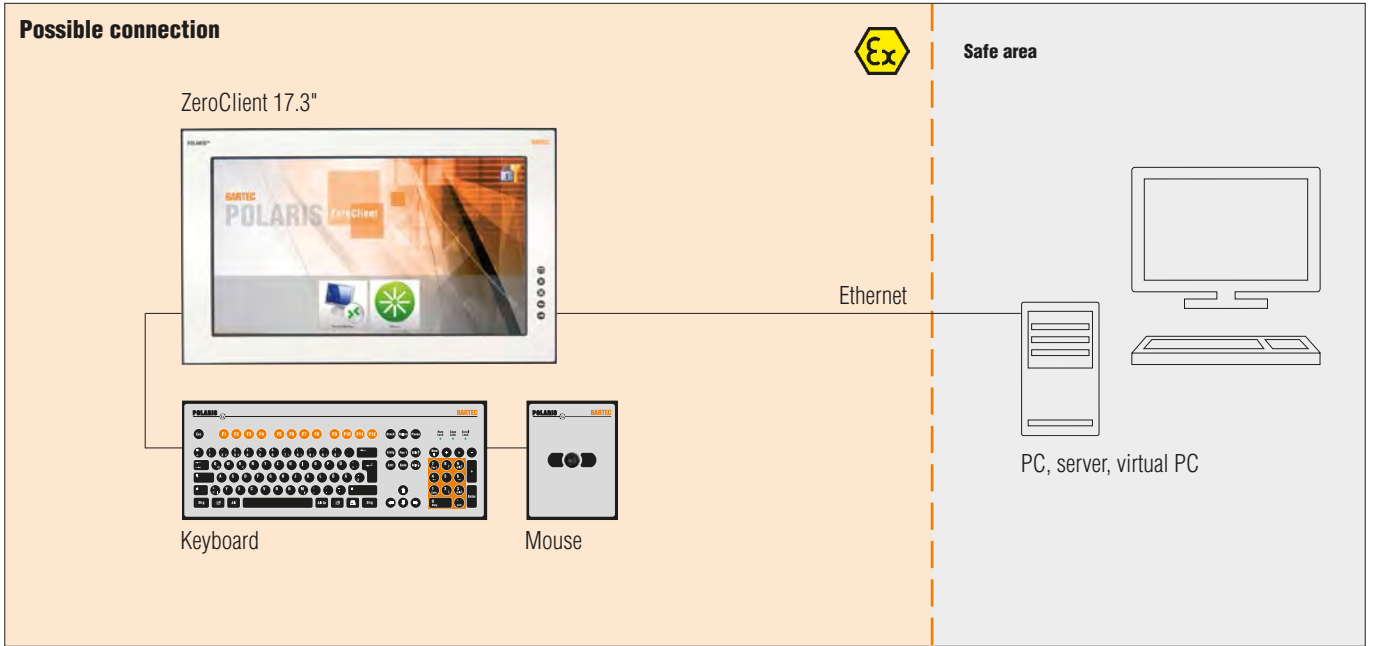
P<sub>max.</sub> < 70 W depending on the variant

#### 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 to 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)

Back bichromated sheet steel

**Selection chart**

Version	Code no.	Input voltage range	Code no.
ZeroClient 17.3" without touchscreen	<b>E</b>	AC 90 to 253 V	<b>0</b>
ZeroClient 17.3" with touchscreen	<b>F</b>	DC 24 V	<b>2</b>

➔ **Complete order no. 17-71V1-  072/Z000/  200**

Please insert correct code.

Technical data subject to change without notice.

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