BARTEC

POLARIS ZeroClient 15" Sunlight

Features

- Sunlight readable display
- 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.

⮕ Explosion protection

Ex protection type Zone 1 and 21
ATEX 〈Ex〉 II 2G Ex db eb qb [ib op pr] IIC T4
〈Ex〉 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

Further approvals
INMETRO, GOST-R

Variant Zone 2
see BARTEC Internet: www.bartec-group.com

⮕ Technical data

Construction
Front panel fitting

Protection class
IP 65 (front)
IP 54 (back)

Display
- 15" graphics-capable TFT colour display
- 262,144 colours
- XGA resolution, 1024 x 768 pixels
- Brightness up to 1000 cd/m^2
- Visible area approx. 304 x 228 mm
- Contrast 700:1
- Antireflection coating glass pane
- Optional touchscreen (resistive)

Backlight illumination
- LED technology
- 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)
411 mm x 332 mm x approx. 135 mm

Wall cut-out
394.5 mm x 315.5 mm + 0.5 mm

Weight
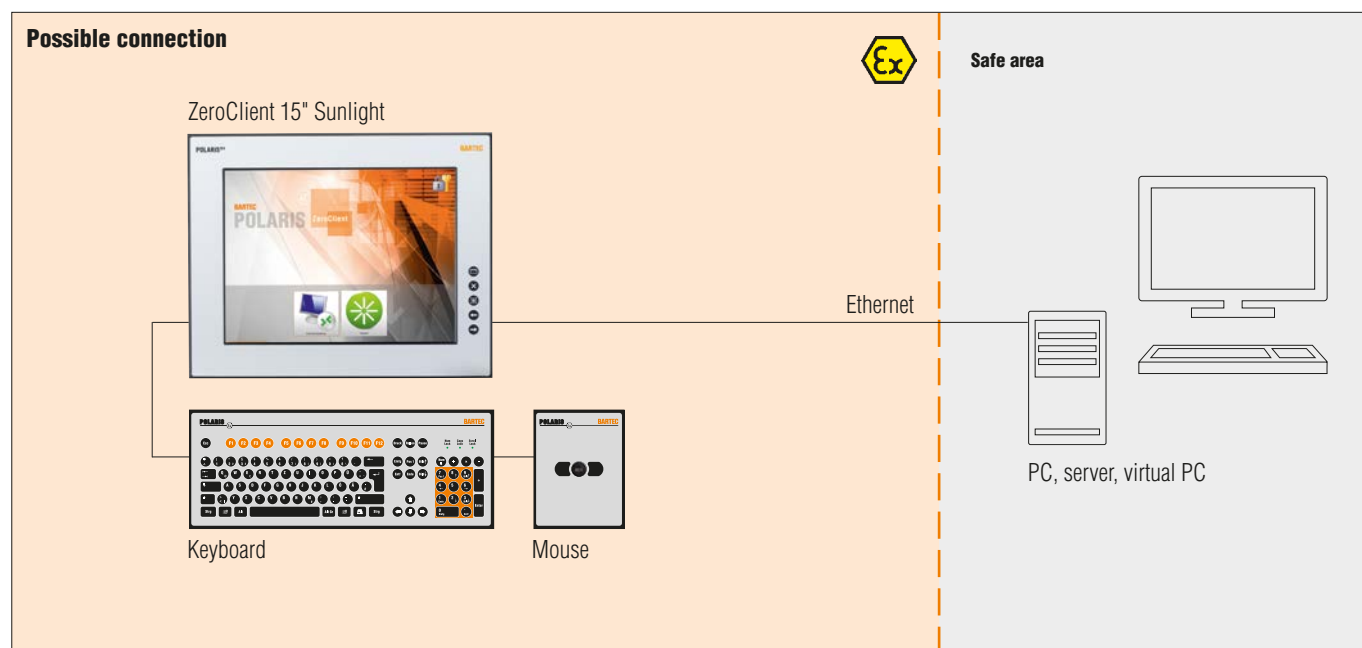approx. 23 kg

Supply voltage
DC 24 V ± 10 %
AC 100 to 230 V, 50 to 60 Hz

Input voltage range
DC 24 V ± 10 %
AC 90 V to 253 V

Possible connection

ZeroClient 15" Sunlight

Keyboard

Mouse

Ethernet

Safe area

PC, server, virtual PC

Max. power consumption
$P_{max.} < 70$ W

Admissible ambient temperatures
Storage   -20 °C to +60 °C
Operation   -20 °C to +60 °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   galvanised sheet steel,
bichromated

Selection chart

Version	Input voltage range	Code no.
ZeroClient 15" Sunlight with touchscreen	AC 90 to 253 V	**0**
	DC 24 V	**2**

Complete order no. 17-71V1-6272/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.