



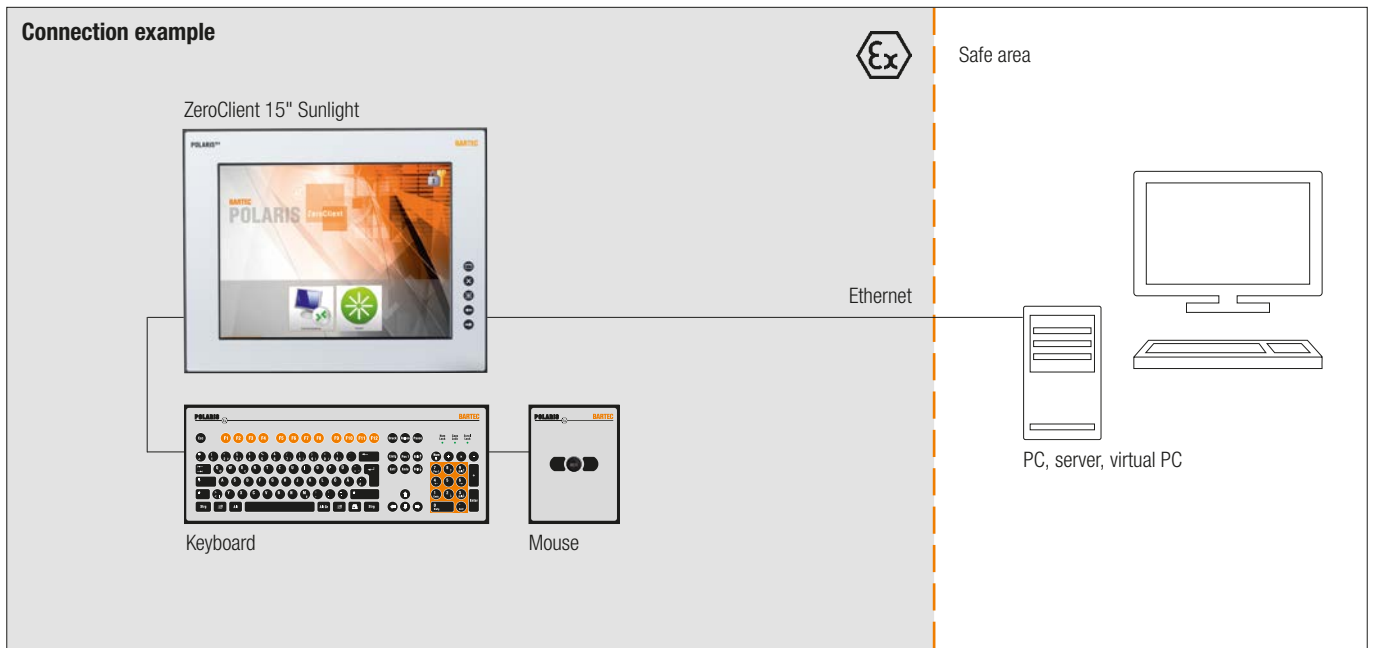
The POLARIS ZeroClient series is the modern safe remote HMI series for the Zone 1 hazardous area. The connection is based on the RDP7 protocol to control a remote computer. The ZeroClient shell, developed by BARTEC itself, comes in a user-friendly tile look and was designed in conformance to today's 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 also be connected.

Explosion protection

Marking ATEX Zone 1 and 21	II 2G Ex db eb q [ib] IIC T4 Gb II 2D Ex tb IIIC T120 °C Db
Certification	IBExU 05 ATEX 1117 X
Marking IECEx	Ex db eb q [ib] IIC T4 Gb Ex tb IIIC T120 °C Db
Certification	IECEx IBE 11.0007 X
Other approvals and certificates, see www.bartec.de	
Variant for Zone 2	www.bartec.de

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 1000 cd/m ² Visible area approx. 304 x 228 mm Contrast 700:1 Antireflection-coated glass pane Optional touchscreen (resistive)
Backlighting	LED technology Service life approx. 50,000 hours (at +25 °C)
Interfaces	1 x Ex e Ethernet 100/10BaseT (optical fibres optional) 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 (W x H x D)	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
Power supply	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
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.
Relative air 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



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Ordering information

Description	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.