





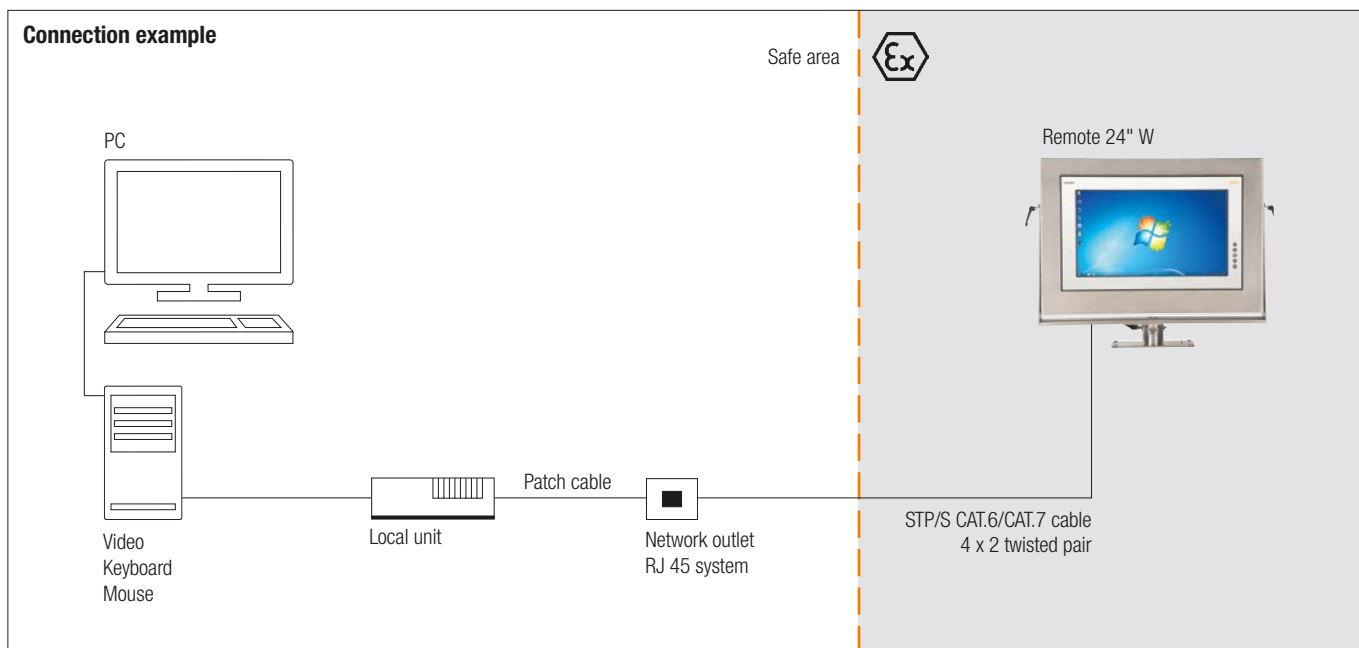
The POLARIS Remote 24" W unit by BARTEC is a display which a PC can be operated in safe areas of hazardous areas. Distances of up to 20 km are possible. POLARIS Remote 24" W offers the user the possibility of using any currently available PC-based process control system, without any restrictions in the Ex area. The front panel installation assures ease of mounting. On request, the devices are also available as turn-key system solutions in a Stainless-steel enclosure as wall and floor mounting versions. The screen of the Remote 24" W is a TFT display with an Full HD resolution and is characterised by its excellent brilliance and a very large reading angle. Intrinsically safe input devices can also be connected. The optional touchscreen (intrinsically safe) offers the ultimate in operating comfort. Connection in the safe area is realised via a local unit (included in scope of delivery).

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	24" W graphics-capable TFT colour display 16.7 million colours Full HD resolution 1920 x 1080 pixels Brightness 300 cd/m ² Visible area approx. 531 x 299 mm Contrast 3000:1 Antireflection-coated glass pane Optional touchscreen
Backlighting	LED technology Service life approx. 50,000 hours (at +25 °C)
Cable length	up to 100 m via STP copper cable DVI/USB up to 20 km via optical fibers Single Mode (9/125 µm) DVI/USB
Power supply	AC 90 to 253 V, 50 to 60 Hz DC 24 V ± 10 % on request
Max. power consumption	$P_{max.} < 60 \text{ W}$
Optional accessories	Hand-held scanner on request
Dimensions (W x H x D)	644 mm x 406 mm x approx. 135 mm
Wall cut-out	630 mm x 392 mm + 0.5 mm
Weight	approx. 40 kg
Admissible ambient temperatures	Storage -20 °C to +50 °C Operation 0 °C to +50 °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	Code no.	Interfaces	Code no.	Variant	Code no.
Remote 24" W without touchscreen	C	for STP/S copper cable (up to max. 100 m)	17	AC 90 to 253 V	0
		for 50 µm multi-mode optical fibre cable (up to max. 500 m)	on request		
Remote 24" W with touchscreen	D	up to 20 km via single-mode optical fibre cable	on request	DC 24 V	1

Complete order no. 17-71V2- 0 / 00 0

Please insert correct code. Technical data subject to change without notice.
You will find the accessories with order details on the accessories pages.