

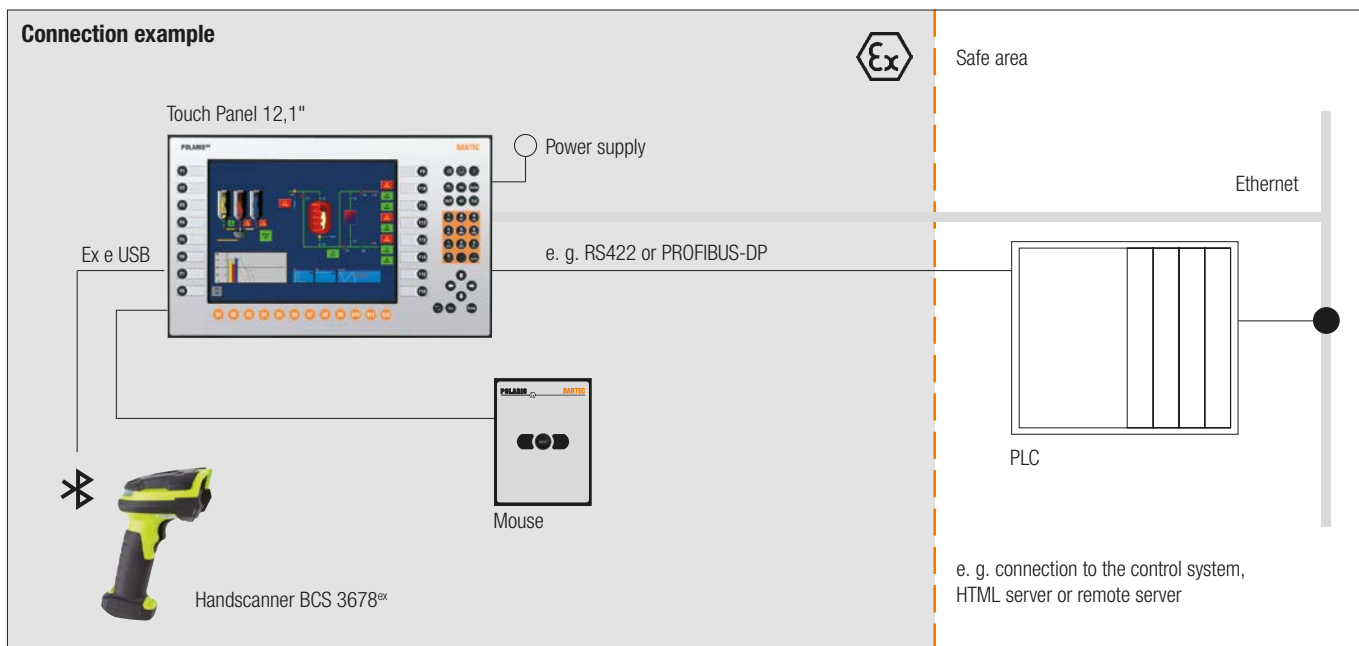
The POLARIS Touch Panel 12.1" is an innovative further development of the POLARIS Panel PCs 12.1". High-resolution displays with LED technology and touchscreen for intuitive as well as comfortable operation are available now in the standard variant. State-of-the-art LED display technology ensures the optimum contrast even with a large viewing angle. The proven LX800 offers sufficient computer capacity for presenting HTML pages or functioning as a remote client. Of course, here too the user can work with the latest "BMS-Graf-pro" Runtime 7 under Windows® XP Embedded, for example for the transmission of projects over the Ethernet, the use of graphics lists or an integrated user administration. The front-panel fitting makes mounting easy. On request, the devices are also available as turn-key system solutions in a Stainless-steel enclosure for wall or floor mounting. An intrinsically safe USB interface is available for a USB Ex i memory stick. Intrinsically safe input devices can also be connected.

Explosion protection

Marking ATEX	Ex II 2G Ex db eb qb [ib op pr] IIC T4
Zone 1 and 21	Ex II 2D Ex tb IIIC T120 °C
Certification	IBEXU 05 ATEX 1117 X
Marking IECEx	Ex db eb qb [ib op pr] IIC T4 Ex tb IIIC T120 °C
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	12.1" TFT graphic display 262,144 colours Resolution XGA 1024 x 768 pixels Brightness 500 cd/m ² Visible surface approx. 246 x 184 mm Contrast 700:1 Touchscreen (resistive)
Backlighting	LED technology Service life approx. 50,000 hours (at +25 °C)
Computer capacity	LX800 processor, 500 MHz Compact Flash 4 GB
Operating system	Windows® XP Embedded (pre-installed)
Interfaces (basic version)	1 x Ex e Ethernet 100/10BaseT (optical fibres optional) 1 x Ex e RS422 1 x Ex i USB for Ex i memory stick 1 x Ex i PS/2 for intrinsically safe mouse
Keyboard (short-stroke keys)	Alphanumeric key block 4 cursor keys 12 cursor keys 16 function keys able to be labelled with LEDs
Optional accessories	Hand-held scanner on request
Dimensions (W x H x D)	440 mm x 275 mm x approx. 130 mm
Wall cut-out	425 mm x 255 mm + 0.5 mm
Weight	approx. 18 kg
Power supply	DC 24 V ± 10 %
Max. power consumption	P _{max.} < 35 W
Permissible ambient temperatures	Storage -20 °C to +50 °C Operation 0 °C to +50 °C Variant: Operation -20 °C to +50 °C on request (without external heating)
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



1

Ordering information

Description	Interfaces	Code no.
Touch Panel 12,1"	USB Ex e/RS422 (recommended version)	37
	RS485	38
	BARTEC PROFIBUS-DP	02
	RS232	09
	TTY	11
	BARTEC PROFIBUS-DP, Ex d-USB	33
	Further Interface combinations on request	XX

Complete order no. 17-71V1-80 /X000

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