



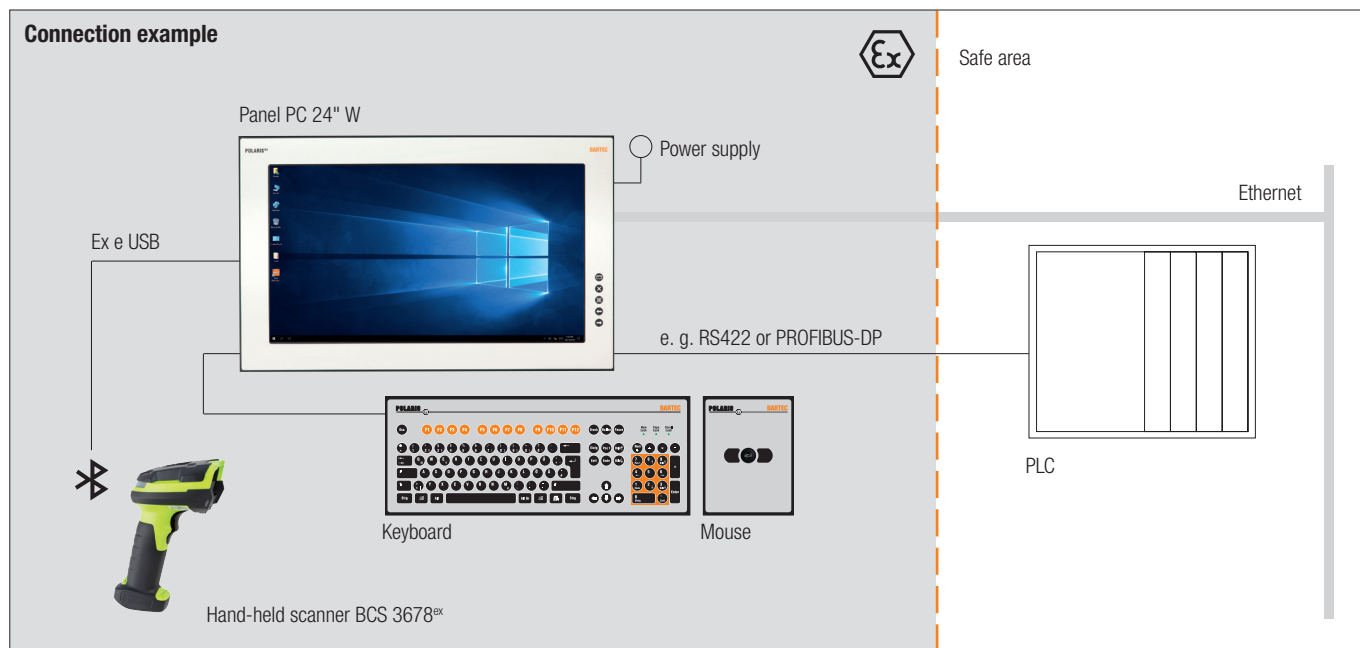
The panel PC has been equipped as standard with the Intel® Atom™ SoC E3845, 1.91 GHz. The Ethernet interface can be used to connect individual computers or network devices, e. g. a printer, to an existing local network (LAN) (WLAN is also a possible option) or local networks can be set up completely wirelessly. This facilitates a high-performance visualisation and operation of the processes directly on site. The wired electrical connections are realised via a terminal compartment of the “e” type of protection (increased safety). The state-of-the-art display technology guarantees an optimum contrast, even with large viewing angle. The front-panel fitting assures easy installation. On request, the devices are also available as ready-made system solutions in 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. The optional (intrinsically safe) touchscreen offers the optimum in operating comfort. Windows 7® Ultimate or Windows 10® IoT can be used as an operating system. The Panel PCs therefore support the installation of numerous software packages, such as customer-specific software or other commercially available standard visualisation software. Of course, here too the operator can also work with the BARTEC “BMS-Graf-pro” programming package (Version 7.xxx or newer). The BARTEC PROFIBUS-DP interface can only be used in connection with the “BMS-Graf-pro” software.

**Explosion protection**

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

**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 <sup>2</sup> Visible area approx. 531 x 299 mm Contrast 3000:1 Antireflection-coating glass pane Optional touchscreen (resistive)
Backlighting	LED technology
Computer capacity	Processor: Intel® Atom™ E3845, 4 x 1.91 GHz 4 or 8 GB RAM 100 GB HD or 128 GB SSD (MLC)
Operating system	Windows 7® Ultimate or Windows® 10 IoT LTSP
Interfaces (Basic version)	1 x Ex e Ethernet 100/10BaseT 1 x Ex e USB 1 x Ex e RS422 1 x Ex i USB for Ex i memory stick 2 x Ex i PS/2 for intrinsically safe mouse and keyboard
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
Power supply	AC 90 to 253 V, 50 to 60 Hz DC 24 V ± 10 % on request
Max. power consumption	P <sub>max.</sub> < 100 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.
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.	Operating system	Code no.	Variant	Code no.	Computer capacity	Code no.
Panel PC 24" W without touchscreen	<b>C</b>	USB Ex e/RS422 (recommended version)	<b>76</b>	Windows 7 Ultimate 32bit incl. Recovery (at 4 GB RAM)	<b>S</b>	AC	<b>0</b>	100 GB HD	<b>0</b>
Panel PC 24" W with touchscreen	<b>D</b>	Further Interface combinations on request	<b>XX</b>	Windows 10 IOT LTSB 32bit (4 GB RAM) incl. Recovery and Runtime BMS Graf	<b>K</b>	DC	<b>2</b>	128 GB SSD	<b>2</b>
				Windows 10 IOT LTSB 64bit incl. Recovery (at 8 GB RAM)	<b>L</b>			128 GB SSD Power Protected	<b>5</b>

**Complete order no. 17-71V1-  0   /  000   00**

Please insert correct code. Technical data subject to change without notice.

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