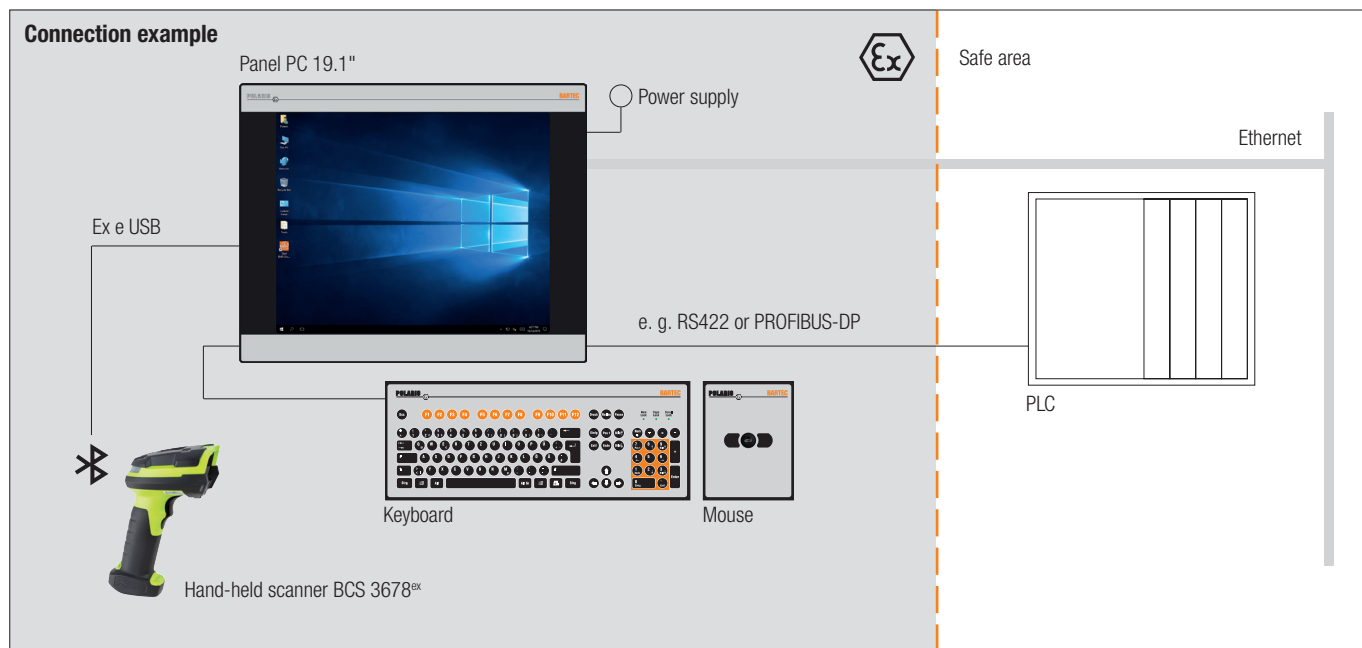The panel PC has been equipped as standard with the Intel® Atom™ SoC E3845, 1.91 GHz. The Ethernet interface can be used to connect individual computers or network devices, e. g. a printer, to an existing local network (LAN) (WLAN is also a possible option) or local networks can be set up completely 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. This means that the PCs are open for many different software packages, for example customised software or various types of 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 BARTEC "BMS-Graf-pro" software.

Explosion protection

Marking ATEX Zone 1 and 21	⟨Ex⟩ II 2G Ex db eb q [ib] IIC T4 Gb ⟨Ex⟩ 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	
Ambient temperature	-20 °C to +60 °C
Variant for Zone 2	www.bartec.de

Technical data

Construction	Front-panel fitting
Protection class	IP 65 (front) IP 54 (back)
Display	19.1" graphics-capable TFT colour display 16.7 million colours SXGA resolution, 1280 x 1024 pixels Brightness 300 cd/m² Visible area approx. 380 x 305 mm Contrast 1000:1 Antireflection-coating glass pane Optional touchscreen (resistive)
Backlighting	CFL technology Service life approx. 40,000 hours (at +25 °C)
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 LTSB
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)	498 mm x 400 mm x approx. 135 mm
Wall cut-out	484 mm x 386.5 mm + 0.5 mm
Weight	approx. 33 kg
Power supply	AC 90 to 253 V, 50 to 60 Hz DC 24 V ± 10 % on request
Max. power consumption	$P_{max.} < 70$ W
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

Connection example

Panel PC 19.1"

Power supply

Safe area

Ethernet

Ex e USB

e. g. RS422 or PROFIBUS-DP

PLC

Keyboard

Mouse

Hand-held scanner BCS 3678ᵉˣ

Ordering information

Description	Code no.	Interfaces	Code no.	Operating system	Code no.	Variant	Code no.	Computer capacity	Code no.
Panel PC 19.1" without touchscreen	5	USB Ex e/RS422 (recommended version)	76	Windows 7 Ultimate 32bit incl. Recovery (at 4 GB RAM)	S	AC	0	100 GB HD	0
Panel PC 19.1" with touchscreen	7	Further Interface combinations on request	XX	Windows 10 IOT LTSB 32bit (4 GB RAM) incl. Recovery and Runtime BMS Graf	K	DC	2	128 GB SSD	2
				Windows 10 IOT LTSB 64bit incl. Recovery (at 8 GB RAM)	L			128 GB SSD Power Protected	5

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.