

BETAWORK III



- Explosion-proof enclosure with integrated 22" screen
- Graphic card supports high resolution modes
- Fibre-optic connections enable remote
- Installation of operating system and application programmes via PXE protocol
- All storage, configuration and booting media are non-sensitive to vibration e.g. solid state disks or USB sticks
- Compact and light
- Customer accessible interfaces for flexibility and maintenance

The explosion-proof **BETAWORK III** PC is fully compatible for industrial applications and specifically designed for use in fire-damp endangered environments.

Plug-In I/O modules for different I.S. interfaces or Bus systems provide extremely flexible adaption to different applications. The I/O module software can be directly updated from the computer.

EXAMPLES OF APPLICATIONS

- Personal computer for standard PC applications
- applications in automation (SCADA).
- Standard interfaces for Ethernet networks (Fiber), Bluetooth, WLAN
- Robust Keyboard with touch for underground use.
- Can be modular extended with special interfaces.

TECHNICAL DATA

COM express CPU board	Congatec i7-3555le 16GB
Operating systems supported	WIN7, Linux
Screen	LCD colour monitor with active backlighting
Screen diagonal	22" (1920 x 1080)
Active area	477x 268 mm
Format	16:9
Contrast	5000:1(typ.)
Brightness	300 cd/m ² (typ.)
Processor	Intel Core i7-3555LE (2x2.5GHz)
Main memory	16 GB
Hard disk	2 x 180 GB SSD
Graphic card	high resolution, Open GL 3.1 and DirectX11 support
Keyboard with touchpad intrinsically safe	complete PC keyboard, 2-key touchpad, dust protected
intrinsically safe connectors	max. 10x conm/4dds plug-in connections (keyboard, communication interfaces)
Power connector	PC220 connector
Supply voltage	AC 90...250V
1x fibre-optic cable interfaces	100 MBit/s with media converter 40 km single mode E2000 8° angled polish, available in protection box
CU Ethernet	1x100 Base-Tx Ethernet, intrinsically safe, can be retrofitted instead of fibre-optic
Interfaces, non-intrinsically safe	1x 10/100/1000 Base-T Ethernet 1x USB2.0

Technical data are limit values. If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

Interfaces, intrinsically safe	all interfaces are modular and allow various options: current loop 20 mA (active/passive or mixed) RS485/422 USB connection USB camera and bluetooth interface WLAN min. 5m
Bus protocols available	TCP/IP TCP/IP PPP TCP/IP other protocols on request
Protection class (EN 60529)	IP 54
Ambient temperature	0°C .. 40°C
Dimensions (B x H x D)	Approx. 560 x 350 x 155 mm
Weight	Approx.53 kg plus 5 kg mounting brackets
International approvals	ATEX, IECEx, MA, GOST-R, GOST-U, ANZEx

