



### InduSmart Panel-PC BlackLine



#### PRODUCT FEATURES

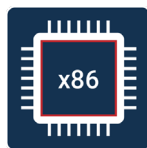
- The InduSmart® Panel PC IPBK001 (BlackLine) is an industrial PC for use on machines and systems for process data visualisation. It is based on an x86 controller and is therefore suitable for Windows and Linux. This makes a wide range of applications available to the user.
- The panel PC is available in 21.5" size - an 18.5" version is in preparation. It is based on a modular concept and has a robust fanless metal housing, which makes it suitable for use even in harsher environments.
- The large projected capacitive touch screen enables contemporary operation. Due to a VESA mounting, the panel can be used almost anywhere.
- It features a customisable illuminated capacitive button bar below the display. This bar includes 6 buttons and an NFC module as standard.
- WIFI, emergency power off and logo printing are available as options.
- Please note, that an AC power adaptor is not included.



VESA Mounting



Touch screen



x86 Processor



IP65 (front side)



Modular design



RFID: NFC



Made in Germany

#### ADAPTATION OPTIONS

Modifications at an all-inclusive price:

- Emergency Power Off / Emergency Stop button (installed emergency power off/emergency stop button in the control panel)
- WIFI (installed WIFI module incl. 2 antennas)
- Print modifications to the control bar (customer logo, specific key symbols)
- Modifications to the control bar (button colours, codes, timings)

Modifications according to effort:

- Other interfaces of the push-button module USB joystick buttons, USB command interface bidirectional, switching outputs.
- Other functions and modules can be realised on request and after technical approval



Emergency-Off



WIFI

Changes and errors reserved.



## PRODUCT PERFORMANCE

GENERAL:	
Dimension:	W x H x D 540 x 407 x 92 mm
Weight:	10 kg
VESA:	Grid 100 x 100 mm; bolt M5x13
IP Protection grade:	IP65 Front / IP54 Rear
IK Protection grade:	Touch-screen glass is IK07-rated
Operating temperature:	0°C - 50°C
Storage temperature:	-10°C - 70°C
Material:	Glass, aluminum, steel
Connector block:	8 x cable gland system icotek KEL-Quick-E4, mounted, with stopper, 2xQT4, 2xQT5, 2xQT6, 2xQT7
RFID Protocols:	Smart Card Interface: ISO 14443 A/B, MIFARE, FeliCa, NFC
Operating voltage:	24 V DC
Power consumption:	100 W

TOUCH DISPLAY:	
Display diagonal:	21,5"
Display resolution:	1920 x 1080 FullHD
Technology:	TFT
Brightness:	up to 300 cd/m <sup>2</sup>
Backlight:	LED
Viewing angle:	89°/ 89°
Touch technology:	capacitive
Touch points:	10

SINGLE BOARD COMPUTER:	
CPU:	Intel Core i5 @1.60GHz, 4 cores (logical 8), X64 architecture, TPM or 64-Bit-x86 Intel Celeron
RAM:	8GB DDR4 2400MHz, DDR4-2400 SO-DIMM
Harddisk:	SSD 128GB
Interfaces:	4 x USB-A (USB3.0), 1 x USB-C (USB3.1), 2 x Ethernet, Display port, 1 x Serial
Operating system:	Windows10 Pro (11)

## ORDER INFORMATION

Art.no.	Product name	Processor	Display size
IPBK003	InduSmart Panel-PC BlackLine 21,5" Intel Celeron	Intel Celeron	21,5"
IPBK005	InduSmart Panel-PC BlackLine 21,5" Intel Celeron_Not-Aus	Intel Celeron	21,5"
IPBK010	InduSmart Panel-PC BlackLine 21,5" Intel Celeron_Not-Aus_WLAN	Intel Celeron	21,5"
IPBK009	InduSmart Panel-PC BlackLine 21,5" Intel Celeron_WLAN	Intel Celeron	21,5"
IPBK001	InduSmart Panel-PC BlackLine 21,5" Intel Core i5	Intel Core i5	21,5"
IPBK006	InduSmart Panel-PC BlackLine 21,5" Intel Core i5_Not-Aus	Intel Core i5	21,5"
IPBK008	InduSmart Panel-PC BlackLine 21,5" Intel Core i5_Not-Aus_WLAN	Intel Core i5	21,5"
IPBK007	InduSmart Panel-PC BlackLine 21,5" Intel Core i5_WLAN	Intel Core i5	21,5"

Other layouts, configurations and interfaces on request.

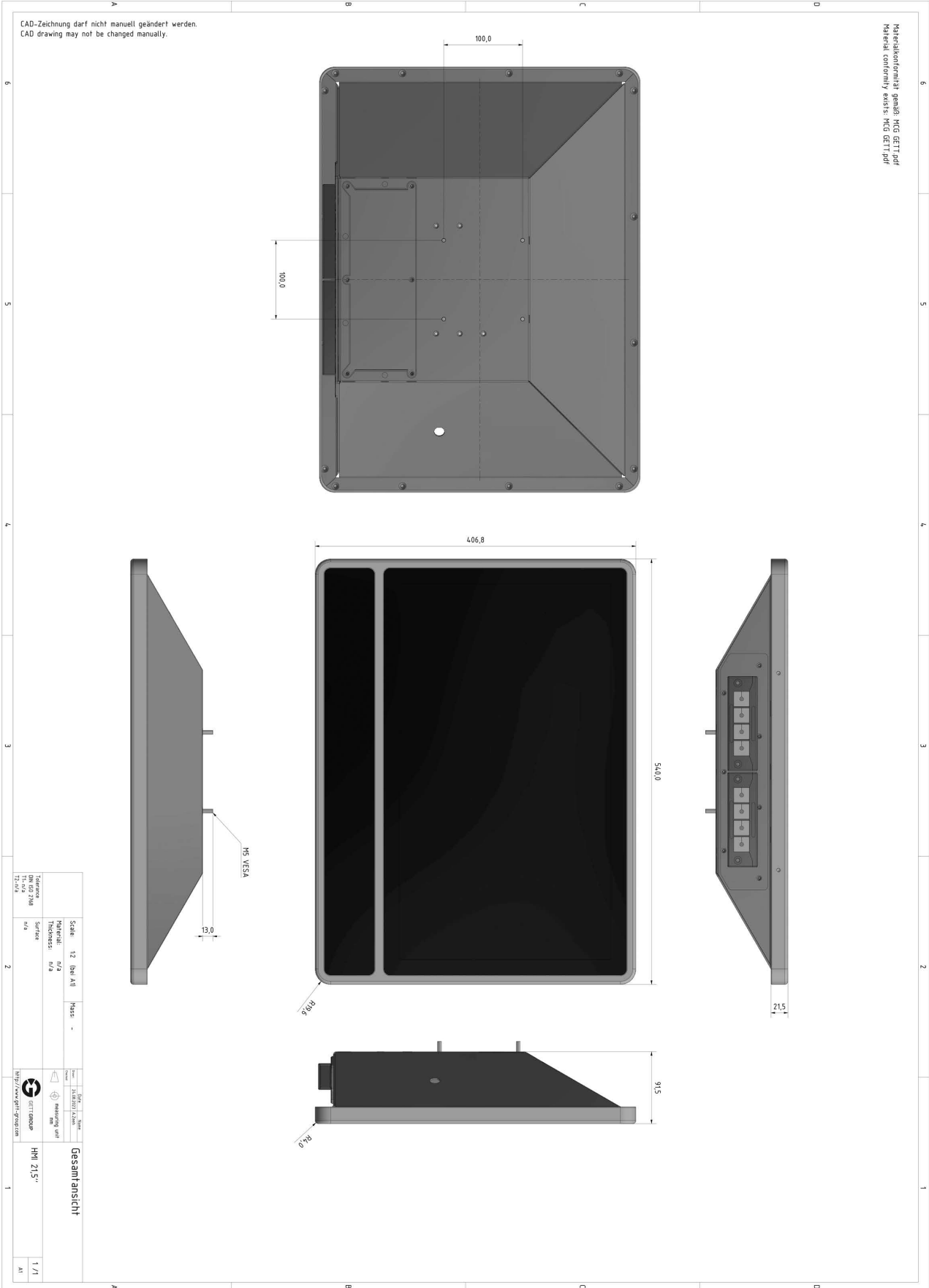
Art.no.	Name of modification	Description
IPRK005	Technische Modifikationen Bedienleiste Touch-Panel PC	Key illumination colours, codes, timings
IPRK006	Printmodifikationen 1-farbig Bedienleiste Touch-Panel PC	Key symbols WxH 28 x 28 mm, custom logo max. WxH 60 x 40 mm
IPRK007	Printmodifikationen 2-farbig Bedienleiste Touch-Panel PC	Key symbols WxH 28 x 28 mm, custom logo max. WxH 60 x 40 mm
IPRK008	Printmodifikationen 3-farbig Bedienleiste Touch-Panel PC	Key symbols WxH 28 x 28 mm, custom logo max. WxH 60 x 40 mm
IPRK009	Printmodifikationen 4-farbig Bedienleiste Touch-Panel PC	Key symbols WxH 28 x 28 mm, custom logo max. WxH 60 x 40 mm
IPRK010	Printmodifikationen 5-farbig Bedienleiste Touch-Panel PC	Key symbols WxH 28 x 28 mm, custom logo max. WxH 60 x 40 mm



# DIMENSIONAL DRAWING OF THE 21,5" PANEL PC

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## ELECTRICAL CONNECTORS OF THE 21,5" PANEL PC

