



BAB  
TECHNOLOGIE

# SMARTSURFACE



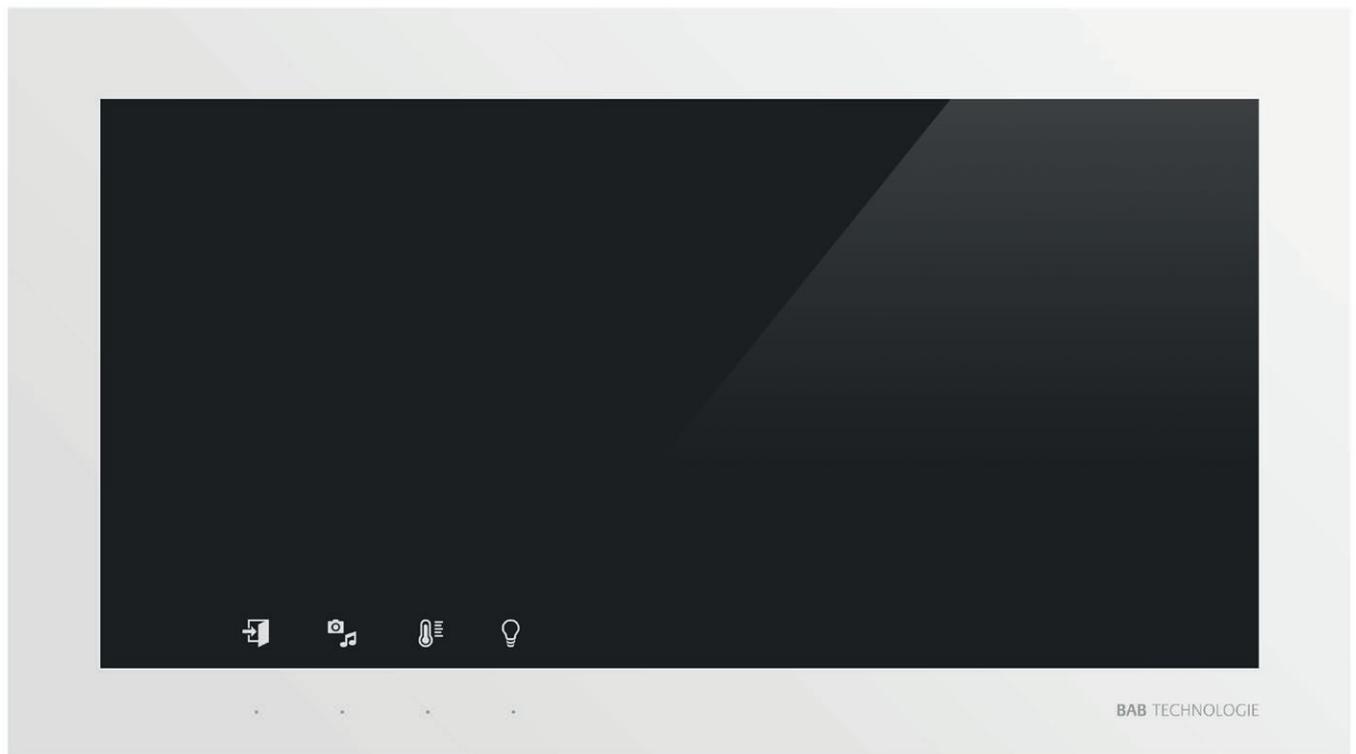
BAB TEC

# SMARTSURFACE

BUILDING VISUALISATION OF THE LUXURY CLASS.

# SMARTSURFACE

## BUILDING VISUALISATION OF THE LUXURY CLASS.



No compromises. No detours. The brand new **SMARTSURFACE** with its brilliant Full-HD-Display combines state-of-the-art technology and architectural design possibilities. Whether drywall construction, brickwork or furniture – flush mounted, the touch panel joins seamlessly with almost all surfaces. The «Smart Dots» integrated into the high-quality, continuous glass surface allow direct access to useful functions – without any detours. Due to the stationary installation and the integrated presence detector, the **SMARTSURFACE** is immediately available as a control and information centre as soon as you approach it. The uncompromising selection of components guarantees trouble-free and noiseless 24/7 operation.

# FASCINATING TECHNOLOGY

## ALL ADVANTAGES IN DETAIL

### FULL-HD-DISPLAY.

The **SMARTSURFACE** touch panel PCs are equipped with brilliant full HD displays - in all sizes. This ensures that applications on the device are always displayed in pin-sharp focus.

### UNCOMPROMISING QUALITY. MADE IN GERMANY.

Designed in Germany. Made in Germany - components of industrial quality guarantee highest reliability - everywhere and anytime. An uncompromising selection of components and the intelligent, fan-less design enable trouble-free and noiseless 24/7 operation. The use of high quality stainless steel and a safety lock guarantee additional durability and offer protection against manipulation and theft.

### SMART DOTS – NO DETOURS TO YOUR DESTINATION.

On the high quality safety glass surface of the **SMARTSURFACE** are the so-called «Smart Dots». Use the four freely configurable buttons to access useful functions. For example, you can call up the scenes «Coming Home» or «Leaving Home» without having to search for them. The integrated configuration software makes it easy to assign the desired functions. Numerous additional icons are available for labeling the functions. The labels are displayed as soon as you approach the panel without having to call up the complete visualization. Two additional buttons control the display brightness and switch the panel on and off.

### ARCHITECT'S DARLING.

Whether drywall construction, brickwork or furniture - flush mounted, the touch panel joins seamlessly with almost all surfaces. Available in the colours Crystal White or Obsidian Black - elegantly reserved or rich in contrast - the **SMARTSURFACE** cuts a good figure in all situations. The glass bead-blasted border frame provides a noble finish in all installation situations.

### ASSEMBLY MADE EASY.

The **SMARTSURFACE**'s well thought-out installation concept makes installation extremely easy. Intelligent holding and locking devices ensure that the panel is perfectly aligned. The intelligent frame construction allows both flush mounting and conventional mounting.

### PERFORMANCE MADE TO MEASURE.

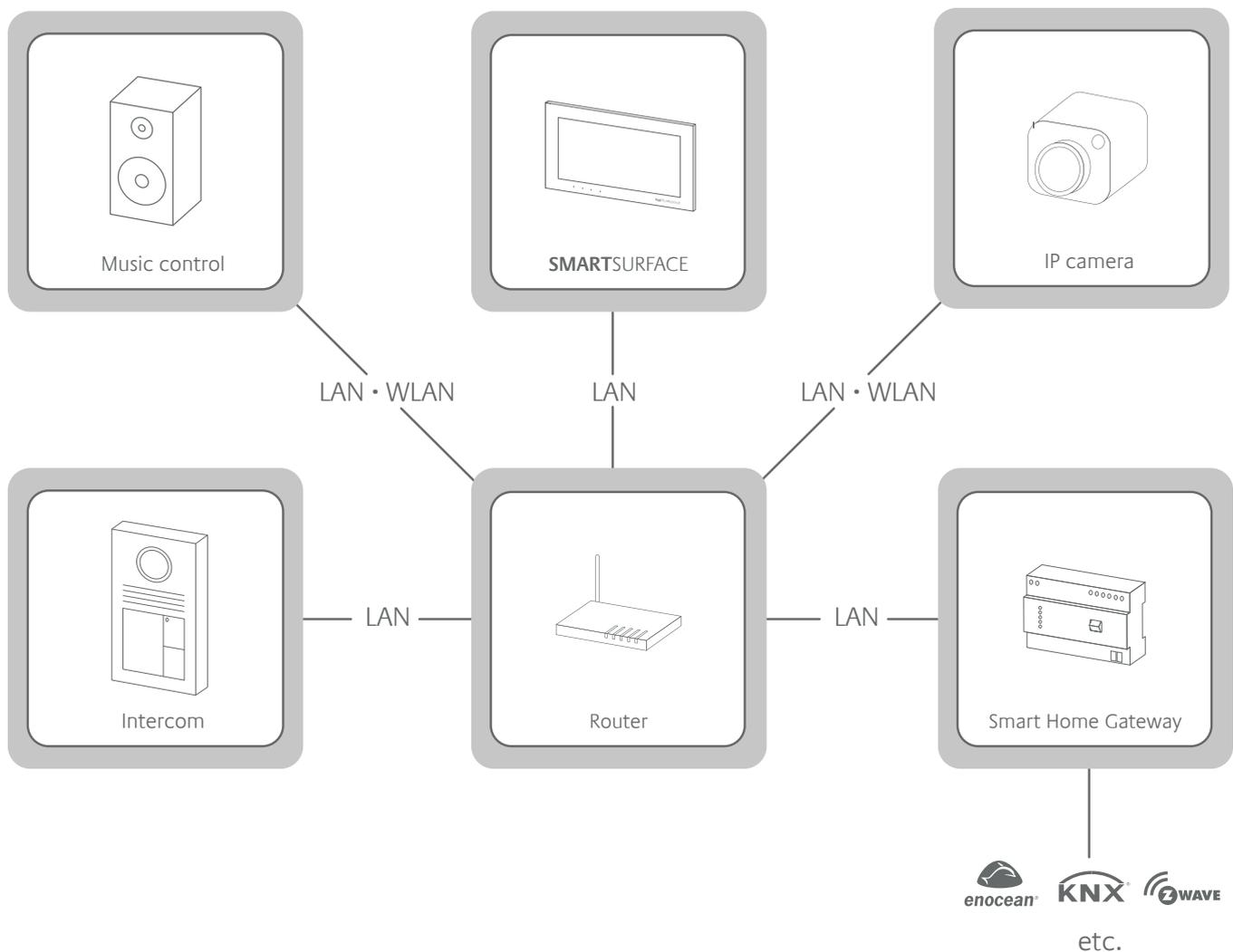
Adapt the **SMARTSURFACE** individually to all operating conditions. Processor performance (up to Core i7), memory (up to 16 GB) or hard disk (up to 250 GB SSD) - based on the solid standard configuration you can make the **SMARTSURFACE** a real arithmetic machine on request.



**SMARTSURFACE 185 | CRYSTAL WHITE**  
FLUSH MOUNTING WITH «UNIVERSAL COVER FRAME»,  
CONTROL T AND VOICE INTERCOM.

# FASCINATING TECHNOLOGY

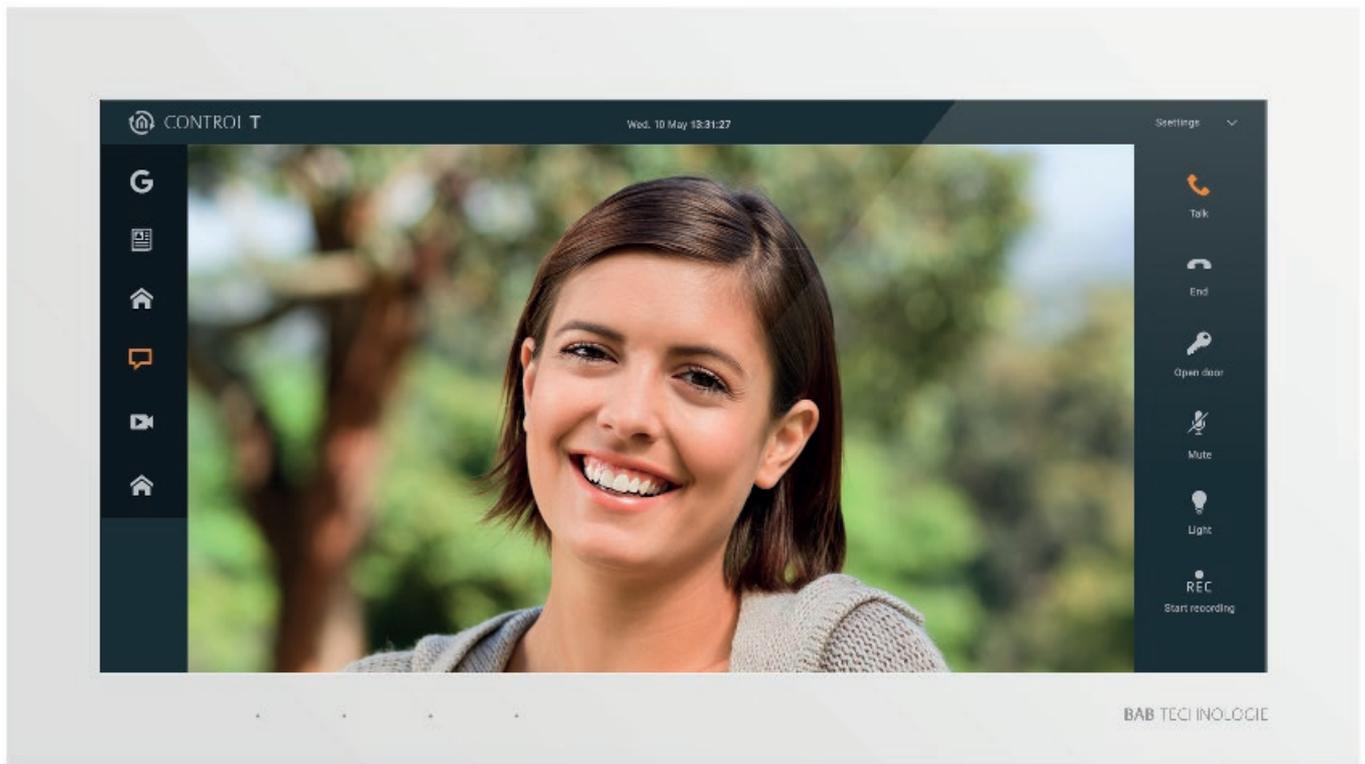
## SMARTSURFACE IN USE



### The SMARTSURFACE as design-oriented control and information centre

Once connected to the local network, the **SMARTSURFACE** offers universal control options for all areas. For example, operate your building visualisation on the basis of KNX or EnOcean, control local applications or web services such as music services, or use proprietary Windows apps for door communication (microphone optional). With the pre-installed launch software CONTROL T, you can switch quickly and conveniently between the various applications. For example, you can quickly switch between building visualisation, traffic news or weather forecasts.

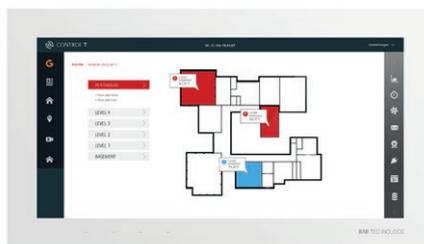
# EVERYTHING UNDER CONTROL WITH CONTROL T 2



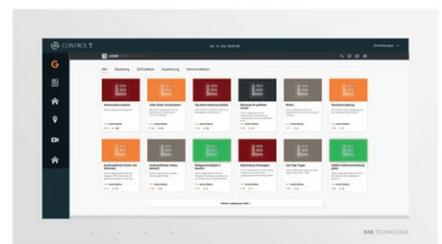
SMARTSURFACE with CONTROL T 2 and voice intercom application



CONTROL T with CUBEVISION (Building visualisation by BAB TECHNOLOGIE)



CONTROL T with CONTROL L (Building visualisation by BAB TECHNOLOGIE)



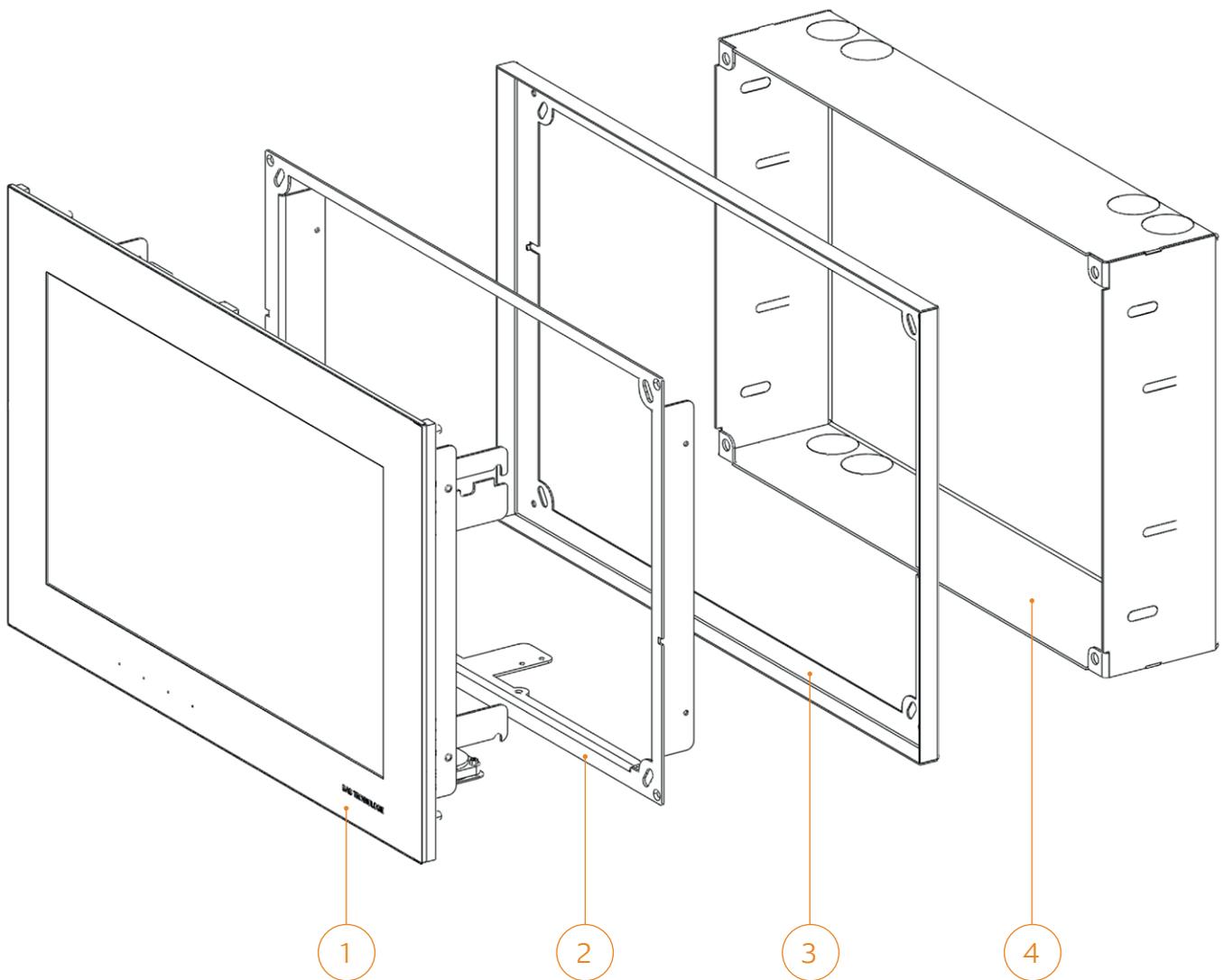
CONTROL T with web browser

## CONTROL T keeps you in control

The pre-installed software is the control and information centre for your building. Get informed about the current traffic situation or call up current weather data before you leave the house. An overview of the cameras is just as easy to access as audio and video content from any source. Selected Axis® cameras can be easily integrated via Plug & Play. Further IP cameras can also be integrated without any problems. You can adapt your individual user interface directly in CONTROL T. The two display variants (light and dark) allow you to adapt the user interface to the color of the frame. In this way, you can transform every SMARTSURFACE into an individual control and information centre. The software is pre-installed on every SMARTSURFACE free of charge.

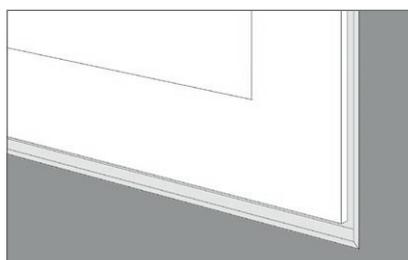
# FASCINATING TECHNOLOGY

## EASY MOUNTING

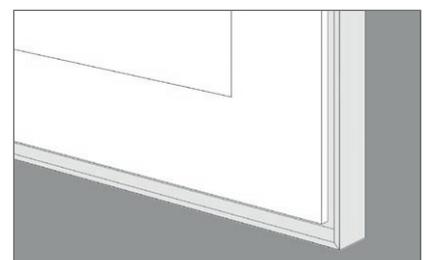


1. Touch Panel PC
2. Mounting frame
3. Universal Cover Frame
4. Wallbox

The **SMARTSURFACE** can be mounted in two different ways. They differ in how deeply the panel is built into the wall. A special frame construction (Universal Cover Frame) allows both flush mounting (Fig. 1) and conventional mounting (Fig. 2).



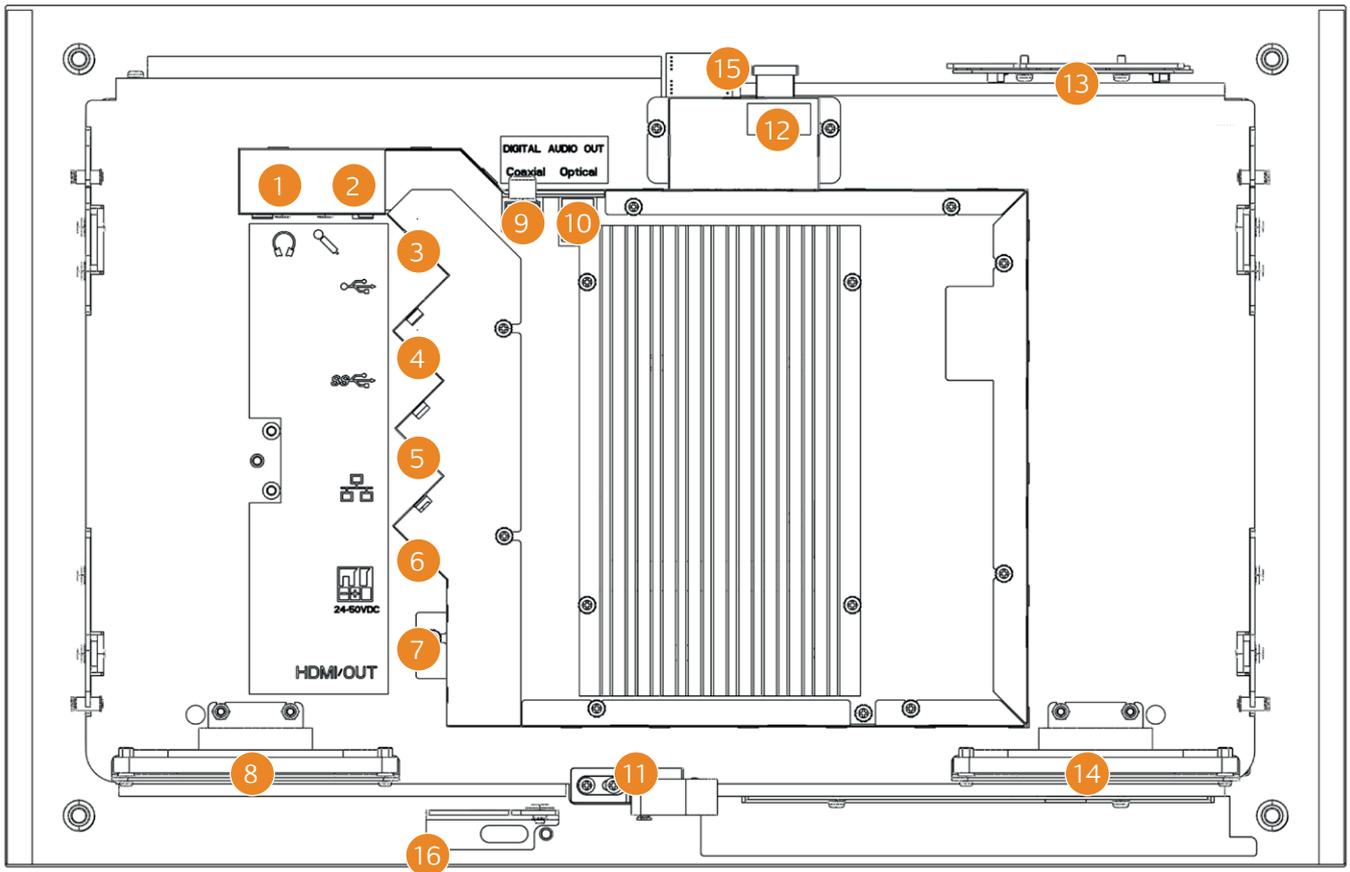
(Fig. 1)



(Fig. 2)

# TECHNISCHE DATEN

## ALLE DETAILS IM ÜBERBLICK



1. Headphone jack (3.5 mm)
2. Microphone connection (3.5 mm)
3. 2 x USB 2.0
4. 2 x USB 3.0
5. Network connection (RJ-45)
6. Power connection
7. Mini HDMI (type A) output
8. Loudspeaker right
9. Digital Audio Output (Coaxial)
10. Digital audio output (optical)
11. Locking mechanism
12. USB service port
13. Integrated microphone (optional)
14. Loudspeaker left
15. Presence detector
16. Anti-theft device



### Additional protection against manipulation and theft

The **SMARTSURFACE** has a security mechanism that prevents unauthorised removal of the panel. The mechanism can be locked and unlocked with the appropriate tool if required.

### Silent operation

The intelligent cooling concept and the use of high-quality SSD storage enable trouble-free and noise-free 24/7 operation.



**SMARTSURFACE 185 | OBSIDIAN BLACK**  
CONVENTIONAL INSTALLATION WITH UNIVERSAL COVER FRAME

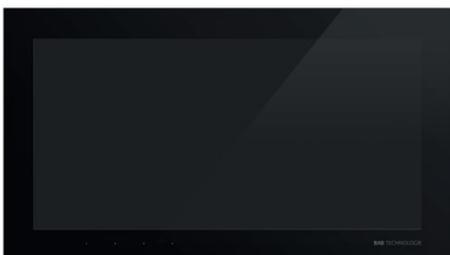
# TECHNICAL SPECIFICATIONS

## VARIANTS AND COMBINATIONS

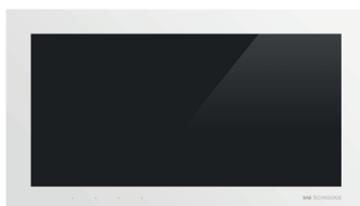
### Flexible configuration and components in industrial quality

Customize your **SMARTSURFACE** and adapt it perfectly to your needs. High-quality components guarantee reliability and durability in any hardware configuration. You can see all possibilities at a glance in the following table. The standard components are printed in bold.

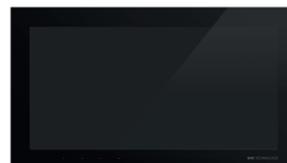
Panel version	13.3" / 15.6" / 18.5" / 21.5"			
<b>Processor</b>	<b>Intel® Pentium™ N3710 4-Core</b>	Intel® Core™ i3-6100U / Intel® Core™ i5-6300U / Intel® Core™ i7-6600U		
<b>Main memory</b>	<b>4 GB / 8 GB</b>	4 GB / 8 GB / 16 GB		
<b>Hard disk</b>	<b>60 GB / 120 GB / 240 GB</b> mSATA industrial grade flash memory I-Temp MLC			
Display	industrial grade color TFT Display, LED Backlight			
Liquidation	1920 px. x 1080 px. full HD			
Brightness	13.3": 400 cd/m <sup>2</sup>	15.6": 400 cd/m <sup>2</sup>	18.5": 350 cd/m <sup>2</sup>	21.5": 300 cd/m <sup>2</sup>
Touch	capacitive multi touch technology. hardened protective screen			
Frame colour	crystal White / Obsidian Black			
Network	1 x Ethernet port. 10/100/1000 Mbit/s			
Usb interface	4 x Ports (2 x USB 2.0 / 2 x USB 3.0) + 1 x Port (USB 2.0 accessible in service position)			
Video output	1 x Mini-HDMI (Typ A)			
SPDIF	1 x TosLink (POF) & 1 x RCA (coaxial)			
Audio output	1 x Stereo jack socket 3.5 mm			
Microphone input	1 x Jack socket. 3.5 mm			
Loudspeaker	2 x 2.8 W Speaker (built-in)			
Microphone	1 x Microfon (optional)			
Sensor	presence detector with radar technology			
Sensor keys	6 x (2 x sensor keys (Power/Brightness) + 4 x sensor keys freely configurable)			
Fans	fanless			
Voltage supply	24–50 V DC via three-pole plug terminal			
Power input	13.3": <b>40 W max</b>	15.6": <b>42 W max</b>	18.5": <b>44 W max</b>	21.5": <b>47 W max</b>
Dimensions in mm (w x h x d)	13.3": <b>370 x 242 x 74</b>	15.6": <b>443 x 274 x 79</b>	18.5": <b>490 x 312 x 79</b>	21.5": <b>564 x 355 x 79</b>
Weight	13.3": <b>3.15 Kg</b>	15.6": <b>4.45 Kg</b>	18.5": <b>6.5 Kg</b>	21.5": <b>8.5 Kg</b>



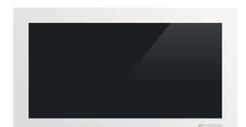
21.5" • Obsidian Black



18.5" • Crystal White



15.6" • Obsidian Black



13.3" • Crystal White

# OVERVIEW

## ARTICLE NUMBERS



Art.-Nr. 04900s	<b>SMARTSURFACE</b> 133 Obsidian Black (UP-Touch Panel PC x86 13,3" FHD-wide)	
Art.-Nr. 04900w	<b>SMARTSURFACE</b> 133 Crystal White (UP-Touch Panel PC x86 13,3" FHD-wide)	
Art.-Nr. 04901s	<b>SMARTSURFACE</b> 156 Obsidian Black (UP-Touch Panel PC x86 15,6" FHD-wide)	
Art.-Nr. 04901w	<b>SMARTSURFACE</b> 156 Crystal White (UP-Touch Panel PC x86 15,6" FHD-wide)	
Art.-Nr. 04902s	<b>SMARTSURFACE</b> 185 Obsidian Black (UP-Touch Panel PC x86 18,5" FHD-wide)	
Art.-Nr. 04902w	<b>SMARTSURFACE</b> 185 Crystal White (UP-Touch Panel PC x86 18,5" FHD-wide)	
Art.-Nr. 04903s	<b>SMARTSURFACE</b> 215 Obsidian Black (UP-Touch Panel PC x86 21,5" FHD-wide)	
Art.-Nr. 04903w	<b>SMARTSURFACE</b> 215 Crystal White (UP-Touch Panel PC x86 21,5" FHD-wide)	
Art.-Nr. 04920	Wallbox for <b>SMARTSURFACE</b> 133	
Art.-Nr. 04921	Wallbox for <b>SMARTSURFACE</b> 156	
Art.-Nr. 04922	Wallbox for <b>SMARTSURFACE</b> 185	
Art.-Nr. 04923	Wallbox for <b>SMARTSURFACE</b> 215	
Art.-Nr. 04930	Universal Cover Frame for <b>SMARTSURFACE</b> 133	
Art.-Nr. 04931	Universal Cover Frame for <b>SMARTSURFACE</b> 156	
Art.-Nr. 04932	Universal Cover Frame for <b>SMARTSURFACE</b> 185	
Art.-Nr. 04933	Universal Cover Frame for <b>SMARTSURFACE</b> 215	
Art.-Nr. 04991	Operating System Windows 10 IoT Enterprise (pre-installed)	

*everywhere at home*



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