interactive scape

Scape® Pro

spr55-007-01

spr55SL-007-01

Operating Manual

Scape® Pro
Operating Manual

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Notes

This is a class A device according to EN55022.
For more information, please refer to Chapter 1.1 – Radio interference.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This Class A digital apparatus complies with Canadian ICES-003.

This manual is applicable for the following devices:

· Scape® Pro 55" (spr55-007-01 with st55-007 and pcsi-007)

· Scape® Pro 55 SL | storage possibility on one side (spr55SL-007-01 with st55-007 and pcsi-007)

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1. General

This manual describes the safe installation, configuration and correct operation of the **Scape® Pro**.
If your device does not have an integrated PC, you can skip the chapters and notes about the integrated PC All other notes and instructions continue to apply without restriction.
If necessary, pay attention to the supplementary documents, such as the installation instructions.

1.1. Safety instructions

Before using and operating your **Scape® Pro**, observe the following safety instructions to prevent you, your environment or the **Scape® Pro** from being damaged.

Fire and electric shock

Overloaded sockets, extension cords and power strips can cause fire and electric shock.
· Avoid using power strips and extension cords if possible.

· Do not chain multiple extension cords or power strips together.

Overheating

Heat build-up can overheat the screen and the integrated PC. This can damage the device.

· Ensure there is sufficient air circulation around the **Scape® Pro**.

· Make sure all the ventilation holes on around the screen and integrated PC are uncovered.

Excess voltage from lightning strikes

In the event of a thunderstorm there is a risk of excess voltage damage from lightning strikes electrical appliances that are plugged in.

· Do not install the **Scape® Pro** during a thunderstorm.

· Disconnect the devices from the mains during thunderstorms.

Moisture, liquid and steam

Moisture, liquid and steam inside the **Scape® Pro** can cause electric shocks or short circuits.

· Only use the **Scape® Pro** indoors.

· Do not allow liquids to get inside the **Scape® Pro**.

· Protect your **Scape® Pro** from steam and moisture.

Improper cleaning

Improper cleaning with harsh detergents and solvents or soaking wet cloths can damage the **Scape® Pro**.

· Observe the information on cleaning your **Scape® Pro** (see **Chapter 1.3 – Cleaning instructions**).

Improper opening and repair

Improper opening and improper repairs may be dangerous to users of the device.

· Do not open the housing of the device.

· In case of repair contact the manufacturer or a specialist dealer.

Radio interference

Radio interference can be generated by any device that emits electromagnetic signals. Due to the large number of devices that transmit and receive radio waves, interference from overlapping radio waves can occur.

· Do not use the **Scape® Pro** in locations where the use of radio equipment is prohibited.

· Always follow the instructions and instructions of authorized persons to switch off radio equipment, especially in hospitals, outpatient health centers, medical practices and other medical facilities, to avoid interference with sensitive medical equipment.

· Check with your doctor or the manufacturer of your medical device (pacemaker, hearing aid, implant with electronic control, etc.) to see if it can work your **Scape® Pro** without interference.

· If necessary, maintain the minimum distance of 15 cm recommended by medical device manufacturers to avoid interference with your medical device.

Hazardous environments

Under unfavorable conditions, radio waves near explosive atmospheres may lead to fire or explosions.

· Do not install and operate the **Scape® Pro** near explosive gases, flammable gases, areas where the air contains chemicals or particles such as grain, dust or metal powders, and near detonation zones.

· In places with potentially explosive gases and near detonation zones, follow the instructions for switching off the electronic devices to avoid disruption of the blasting and ignition systems.

Load and damage to the surface

Rough, hard or sharp-edged materials and heavy objects can damage the screen surface of the **Scape® Pro**.

· Do not place heavy objects on the screen.

· Use only objects with smooth or soft bottom surfaces on the screen.

· Clean the undersides of the objects before and after each use.

1.2. Scope of delivery

The following accessories are included with your **Scape® Pro**:

- Power cable with powerCON plug for connection to the mains supply
- Network cable for connection to a local network
- Wireless keyboard with trackpad
- Screen cleaning kit
- Operating instructions (possibly by email)

1.3. Cleaning instructions

The touch sensor of the **Scape® Pro** does not usually need to be serviced. Nevertheless, it is recommended to clean the glass surface of the screen regularly.

- Disconnect the device from the mains before cleaning.
- Typically, a solution of isopropyl alcohol and water (50:50 blend ratio) or the included screen cleaning kit are best for cleaning the touch sensor.
- Apply the solution to a soft, lint-free cloth. Avoid using rough cloths.
- Use the cloth to clean the glass surface. Apply the liquid only to the cloth and never directly to the device. This will prevent liquid from entering the inside of the device or causing marks on the frame.

To clean the Corian surfaces, a commercial plastic cleaner is recommended. Put it on a clean cloth and then treat the surfaces with it.

1.4. Transportation instructions

The safest way to transport your device is in a **Scape® Pro** flight case (sold separately).

- The device is very heavy. Make sure that there are always at least two people to lift and carry the device.
- Do not transport the device upside down.
- Secure the device against slipping and tilting.

2. Specifications and set up

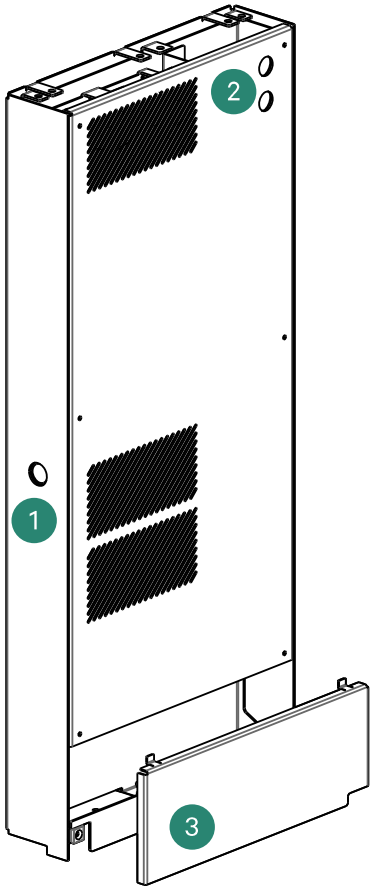
2.1. Connections and controls

All connections for power and peripherals are located on the PC unit of the **Scape® Pro**.
This is located below the screen on the right-hand side of the device.

Loosen the two 2.5mm hexagon socket screws on the lower cover on the inside of the PC unit to expose the connections.

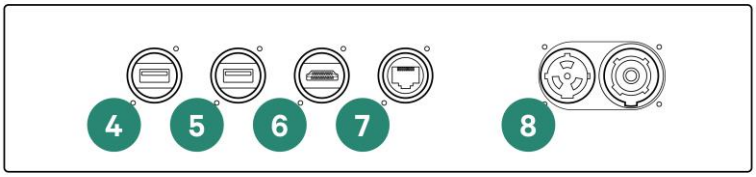
The cover plate is designed in such a way that there is sufficient space to reattach it after all cables have been connected. After all the cables have been connected, reattach the plate to the PC unit to protect the connections and prevent unintentional removal of the cables.

2.1.1. PC unit



1	On / Off switch
2	WLAN antenna connection (SMA) with WLAN antenna
	USB 2.0 (type A)
3	Cover plate for power and peripheral connections

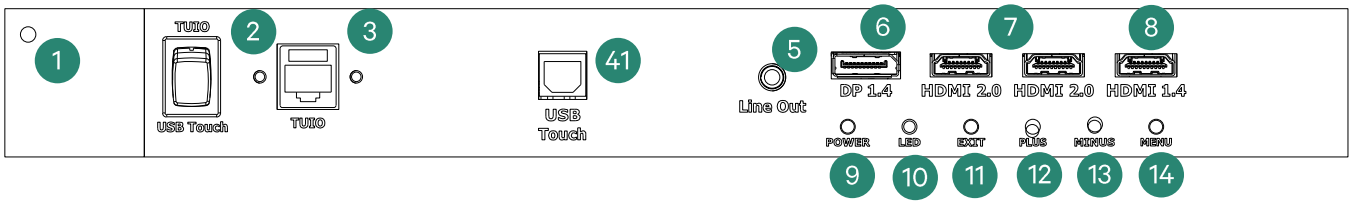
2.1.2. Connections for power and peripherals



4	USB 3.0 (type A)
5	USB 3.0 (type A)
6	HDMI 2.0
7	RJ45 network connection
8	powerCON TRUE1 Power supply - input and output

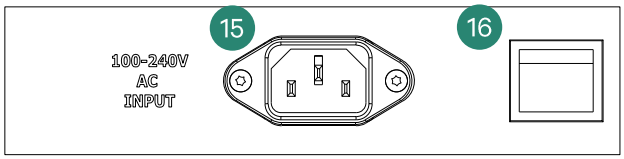
2.1.3. Touch screen

The screen of the **Scape® Pro** comes preinstalled and connected to the integrated PC ready for operation.



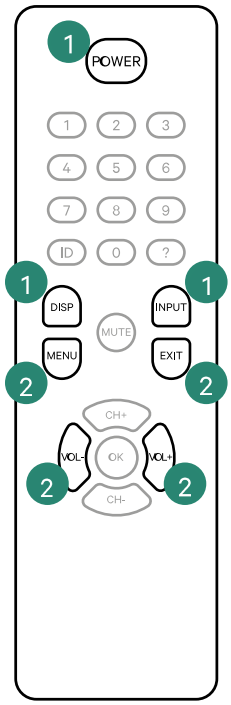
1	IR-Sensor for remote control
2	Switch between Touch TUIO / USB Touch
3	RJ-45 Lan interface – to use the **Touch & Object Assistant**
4	USB-Connection Type B – for direct connection of touch and PC
5	Line Out Output
6	DisplayPort 1.4 input
7	2x HDMI 2.0 input (UHD 60 Hz)
8	HDMI 1.4 input
9	Stand-by *(17)
10	Status LED
11	Close OSD / > back / > show input selection *(21)
12	Plus / Right *(23)
13	Minus / Left *(22)
14	Open OSD / confirm selection *(20)

*analogue to button on remote control



15	IEC socket for connection to 230V 50Hz
16	Main power switch

2.1.4. Remote control



17	Stand-by *(9)
18	Display mode selection
19	Show input-selection
20	Show OSD / confirm selection *(14)
21	Close OSD *(11)
22	Left / Minus *(13)
23	Right / Plus *(12)

*analogous to button on the screen

All keys on the remote control which are not explained above are not required for operation of **Scape® Pro** and do not have any function.

3. Installation

The **Scape® Pro** is delivered ready for operation. All units are fully assembled and wired.
Place the device in a suitable location and connect it to the power supply.

3.1. Notes

Observe the following points when setting up the device:

- Give the **Scape® Pro** sufficient time to adapt to the ambient temperature. Otherwise the device may be damaged or destroyed by condensation inside the device.
- Only operate the **Scape® Pro** indoors.
- Do not expose the **Scape® Pro** to direct sunlight.

3.2. Connection to the power supply

Connect the **Scape® Pro** to the power supply using the supplied powerCON connection cable via the power connection socket on the underside of the PC unit (see **Chapter 2.1.2 - Connections for power and peripherals – Item 8**). Insert the powerCON connector into the socket from below. The plug should be inserted at a 45° anticlockwise, rotate the powerCON connector clockwise until you hear it is connected. Finally, plug the earth contact plug into a suitable socket.

To disconnect the power supply, pull the lock on the powerCON plug downwards, turn the plug 45° anticlockwise and pull it downwards out of the powerCON socket.

When disconnecting the appliance from the mains, always pull the plug and do not pull the cable.
Do not touch the plug with wet hands.

3.3. Connection to the network

The Scape® Pro works completely without an Internet or other network connection. However, both WLAN and a Gigabit Ethernet port at the PC unit (see **Chapter 2.1.2 - Connections for Power and Peripherals – Item 7**) can be used for connecting to the Internet or another network.

To use **Capore®** object recognition or touch via TUIO, set the switch for the touch signal on the back of the display to "TUIO" (see **Chapter 2.1.3 - Touchscreen – Item 2**). For further information on setting up **Capore®** Object recognition, refer to the operating manual for the "**Touch & Object Assistant**".

The integrated **Touch & Object Assistant** has the IP address 10.0.0.20 with the subnet 255.255.255.0 by default. You can access the web interface of the **Touch & Object Assistant** via that IP address. The Ethernet port of the **Scape® Pro** (see **Chapter 2.1.2 - Connection and controls - Item 7**) is set to obtain its IP address from a DHCP server.

4. Switching on

Switch on the display using the main switch (see **Chapter 2.1.3 – Touch screen - Item 16**). Then start the PC (see **Chapter 2.1.1 - PC unit - Item 1**).

The device will take about 1.5 hours to power up before it reaches its final operating temperature. During this time, the touch sensor of the device constantly adapts to its environment. This has a direct effect on long-term object recognition.

If the object detection works worse at any point of the unit, remove all objects from the unit for 2s.

5. Display settings – OSD

5.1. OSD usage

The **Scape® Pro** OSD offers a variety of on-screen settings, such as signal input, display mode, and color and brightness settings. The factory settings are suitable for most applications.
Press the **Menu (20)** button to display the OSD (see chapter **2.1.4 – Remote Control**).
Use the **Plus (23)** and **Minus (22)** buttons to navigate through the individual menu items.
The **Menu (20)** button takes you to the next level of the selected menu item or setting.
Use the **Plus (23)** and **Minus (22)** buttons to adjust the values for each setting or to select the appropriate option.
The **Menu (20)** button activates the selected option and returns to the last selection level.
The **Exit (21)** button resets the setting to its original value and returns to the next higher menu level or closes the OSD when you are at the top menu level.
The OSD automatically shuts off after a few seconds of inactivity.

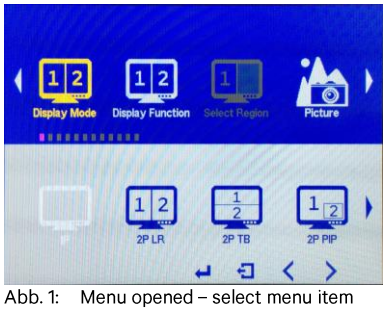
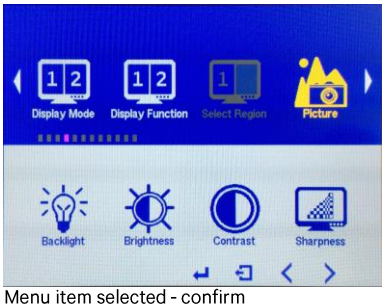
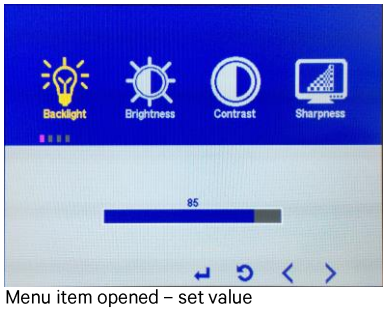


Abb. 1: Menu opened – select menu item



Menu item selected - confirm



Menu item opened – set value

5.2. Select input source

If no active device is connected to the selected input of the screen, you can use the OSD only to a limited extent. Press **Input (19)** or **Exit (21)** on the IR remote control to open the input selection. Use the **Plus (23)** and **Minus (22)** buttons to select the appropriate input and confirm the selection with the **Menu (20)** button.

Abb. 2: Input selection

The signal source is set to "Auto" by default and automatically detects the input.

6. Integrated PC

Unless you have specified otherwise, the integrated PC with Windows 10 Professional is pre-installed, fully configured and ready to use.

Be sure to create a backup before changing the configuration of the operating system and its components.
To do this, use the Windows backup tools (backup settings).

Your **Scape® Pro** with integrated PC comes with a wireless keyboard with integrated trackpad.
Follow the enclosed instructions to use the keyboard.

To switch on the integrated PC, press the power button on the back of the PC unit
(see **Chapter 2.1.1 – PC unit – Item 1**).

A system user with administrator rights and the following access data has already been set up.

User name: ias
Password: ias

For the security of your system, it is strongly recommended that you change the password of this account.

7. Troubleshooting tips

Do not open the housing of the **Scape® Pro** by yourself.
If your **Scape® Pro** does not work as intended, see Chapter **7.2 – Problems and Solutions**) to find out if there is a solution to your problem.
If you cannot find a solution, contact **Interactive Scape Hardware Support**. You can reach them on weekdays at **+49 30 698 094 150**.

7.1. Manufacturer – Support

Interactive Scape GmbH
Wilhelmine-Gemberg-Weg 6
10179 Berlin

+49 (0)30 698 094 150

7.2. Problems and solutions

Error	**Possible cause**	**Possible solution**
No picture is shown even though the PC is turned on.	The DisplayPort or HDMI cable has come loose.	Check the connection of the cable with the PC.
		Plug the cable into another connector on the PC.
	The screen is switched to the wrong input.	Set the input correctly (see **Chapter 5.2 – Select input source**).
The PC or the screen turns off unexpectedly.	Loose contact in the power supply	Check whether the device is connected to the power supply and whether the powerCON plug is correctly plugged into the PC unit (see chapter **2.1.2 – Connections for power and peripherals – Item 8**).

8. Appendix

8.1. Technical data

8.1.1. Scape® Pro 55

Article Number	spr55-007-01
Specifications	
Dimensions (L x W x H)	130.0 x 77.0 x 92.0 cm
Weight	99 kg
Material frame	Corian, Glacier White
Material legs	Stainless steel, brushed, K240
Integrated PC	Silent PC 2060
Electrical Specifications	
Operating voltage	230 VAC
Power draw	max. 490 W
Certifications	CE certified

8.1.2. Scape® Pro 55 SL | storage possibility on one side

Article Number	spr55SL-007-01
Specifications	
Dimensions (L x W x H)	152.9 x 77.0 x 92.0 cm
Weight	106 kg
Material frame	Corian, Glacier White
Material legs	Stainless steel, brushed, K240
Integrated PC	Silent PC 2060
Electrical Specifications	
Operating voltage	230 VAC
Power draw	max. 490 W
Certifications	CE certified

8.1.3. Scape® Tangible 55

Display

Display diagonal		54.6 inches
Resolution		3840 x 2160 (UHD) @60 Hz
Format		16:9
Brightness (Panel)		700 cd/m²
Contrast (Panel)		4000:1
Backlight		LED
Viewing angle		178° / 178°
Color gamut		16.7 Million
Latency (on/off)		8.5 ms
Backlight – lifetime		60,000 h
Pixel class		ISO 9241-307 (Pixel Error Class II)
Operational period		24/7
Max. ambient humidity	Operation	10 ~ 90% (not condensing)
Max. ambient humidity	Storage	10 ~ 90% (not condensing)
Max. ambient temperature	Operation	0 ~ 35 °C / 32 ~ 95 °F
Max. ambient humidity	Storage	-20 ~ 60 °C / -4 ~ 140 °F
Dimensions (W x H x D)		1274 x 744 x 79.2 mm
Weight		49kg
Mounting		VESA 400x400 mm, 600x400 mm, 800x400 mm
Max. tipping angle		0° - 180°
Panel orientation		Landscape / Portrait / Flat (table)
Air flow cooling		0.5 m³ / min
Material		steel, powder-coated, matt black RAL 9005

Touch controller

Sensor	3M – Projective Capacitive Metal Mesh (PCAP)
USB Touch	80 touches
TUIO Touch	>100 touches

Interfaces

Touch	HID USB / TUIO 1.1 / 2.0
Video	2x HDMI 2.0 / 1x DisplayPort 1.4 / 1x HDMI 1.4

Electrical specifications	
Operating voltage	100 – 240 VAC
Power draw	160 W
Certifications	CE certified, RoHS compliant

8.1.4. Silent PC 2060

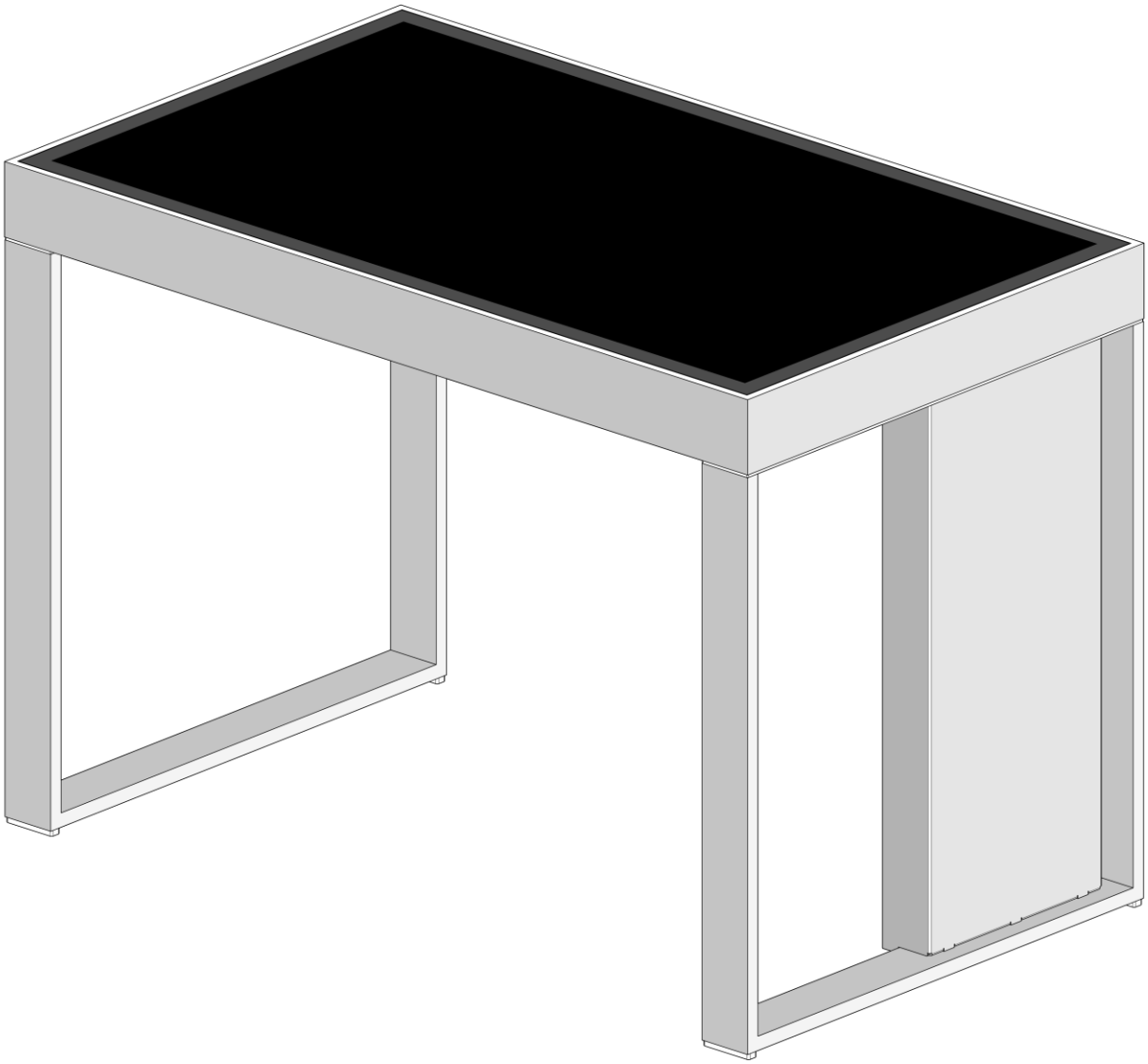
Specifications	
Processor	Intel Core i5-10300H Quad-core 2.5 - 4.5 GHz
RAM	16 GB (Dual Channel)
Hard drive	250 GB SSD M.2
Graphics Card	NVIDIA Geforce RTX 2060 6GB GDDR6
Sound	Onboard 8 Channel Digital Audio via HDMI Mic/Speaker output

Ports	
Display	2x HDMI 2.0 / 2x DisplayPort 1.4
Network	WIFI 6 Killer AX1650 / 1x Killer 2.5 Gbps LAN / 1x Gigabit LAN / Bluetooth 5
USB	4x USB 3.0 Type A, 1x USB 3.1 Type A, 1x USB 3.1 Type C

Other	
Dimensions (LxWxH)	210 x 203 x 62.2 mm
Power Supply	External power supply unit
Operating voltage	100 – 240 VAC
Power draw	330 W
Operationg System	Windows 10 Professional
	not suitable for 24/7 operation

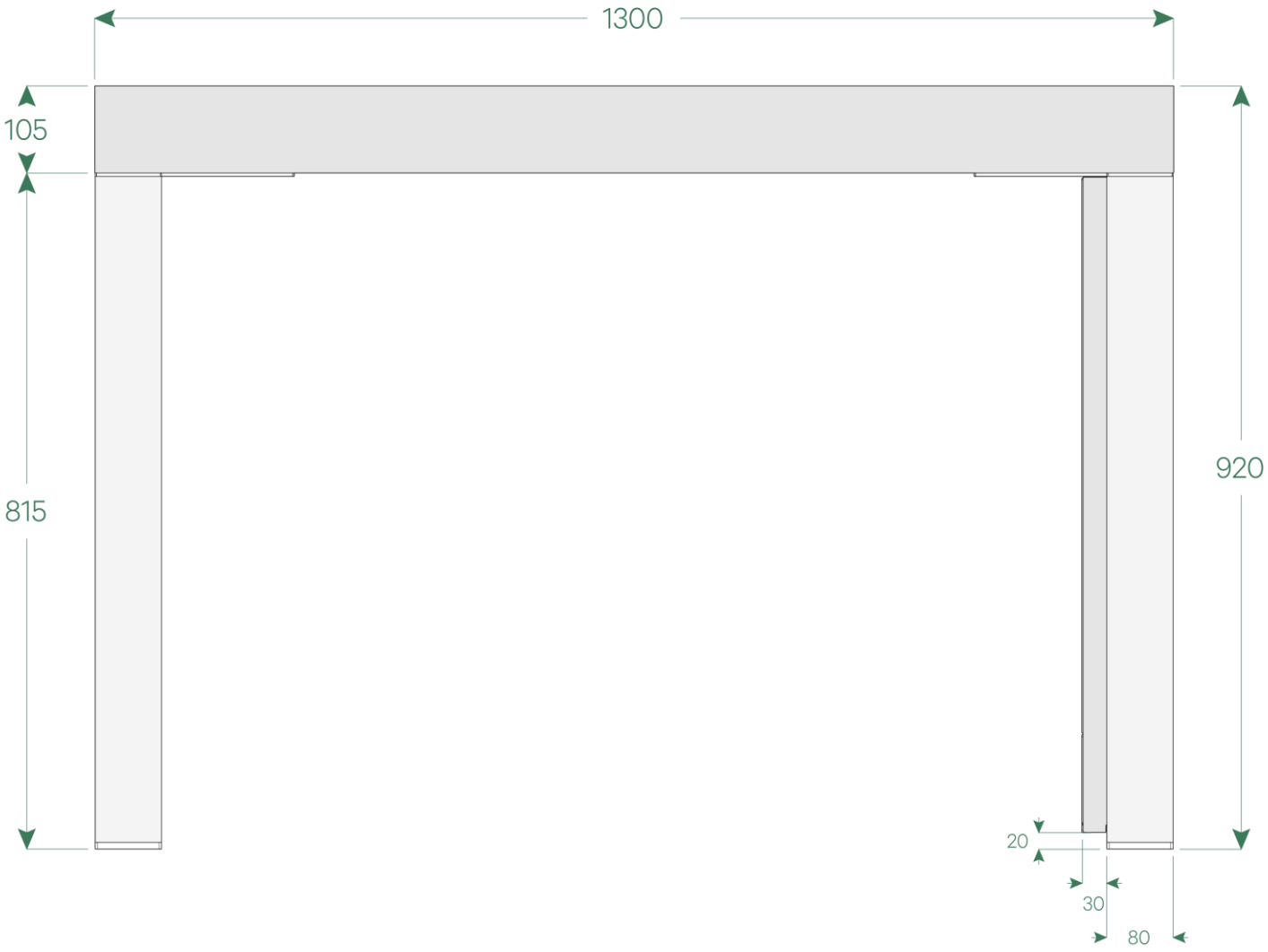
8.2. Technical drawings Scape®Pro 55

8.2.1. Perspective

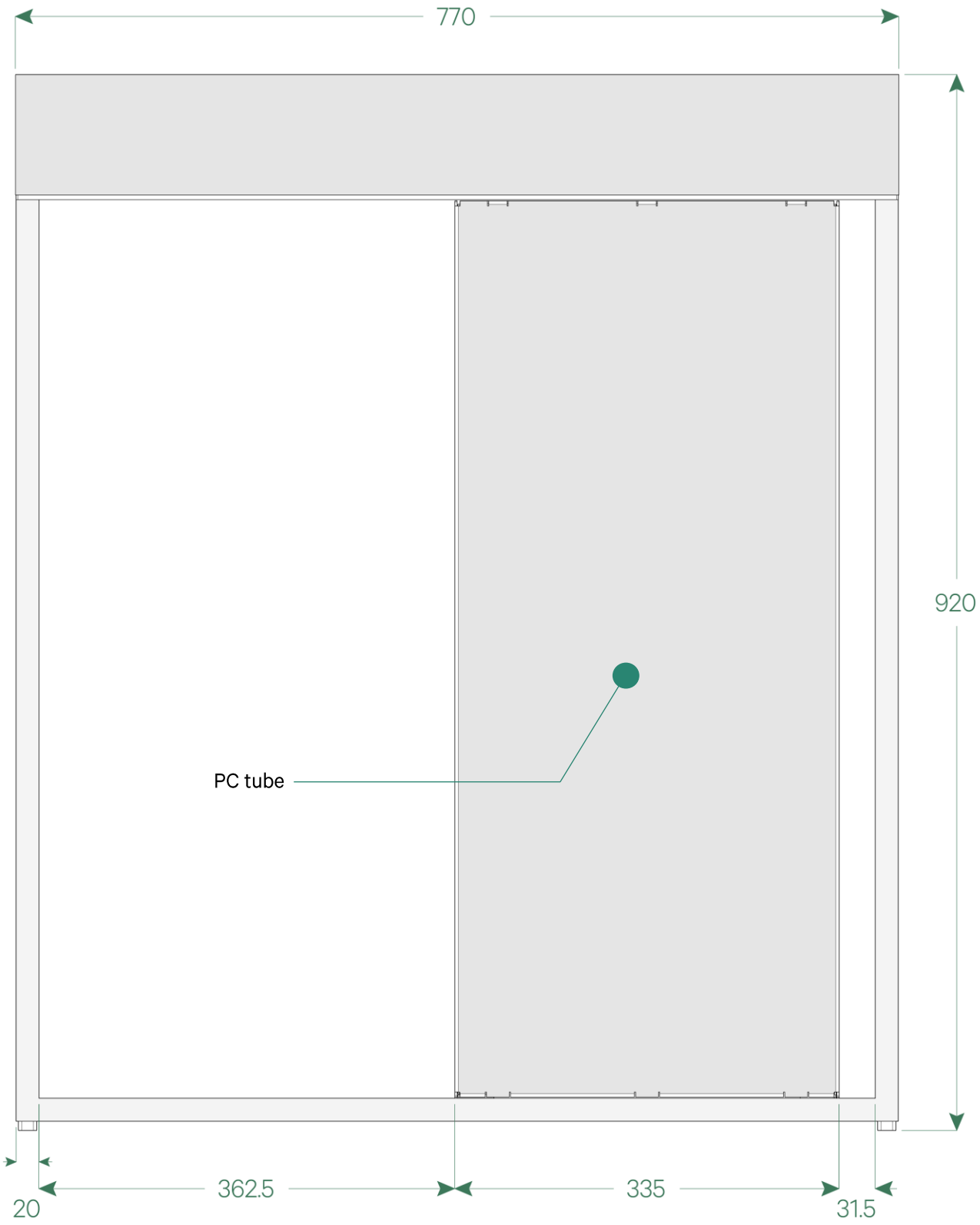


8.2.2. Top view

8.2.3. Front view

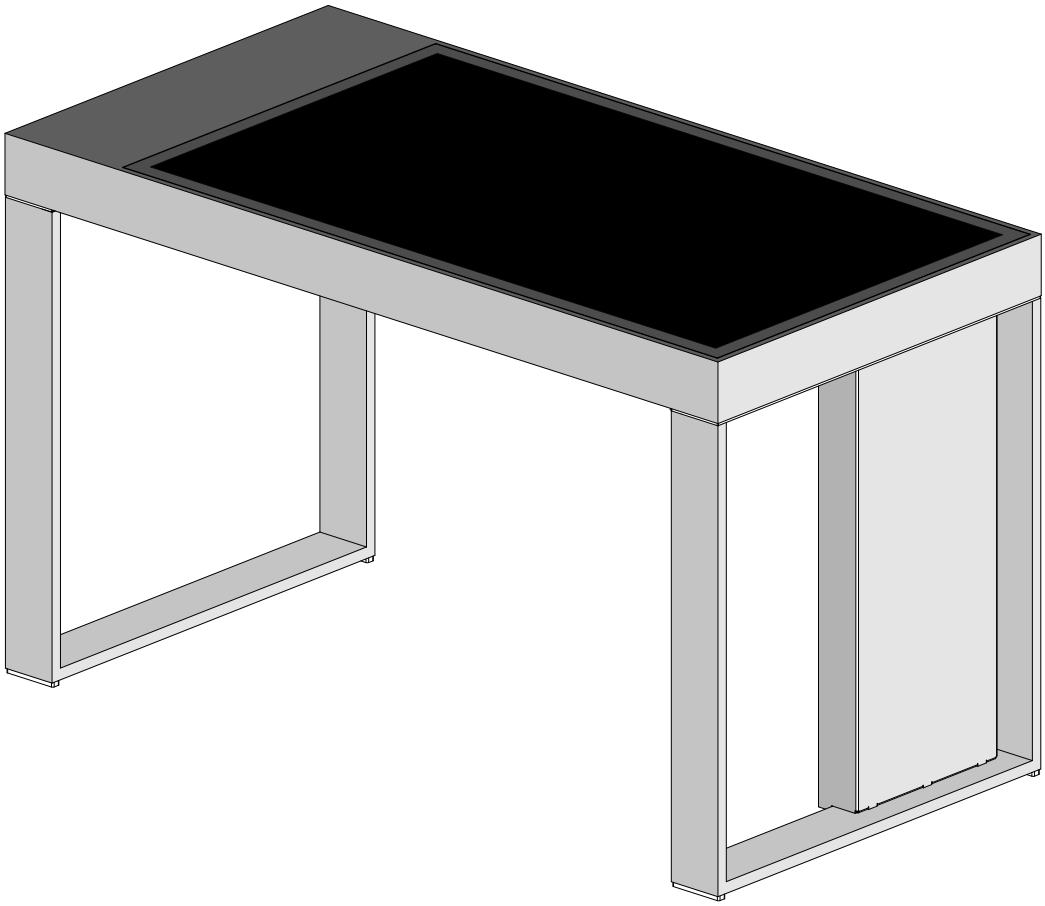


8.2.4. Right view



8.3. Technical drawings Scape®Pro 55 SL

8.3.1. Perspective



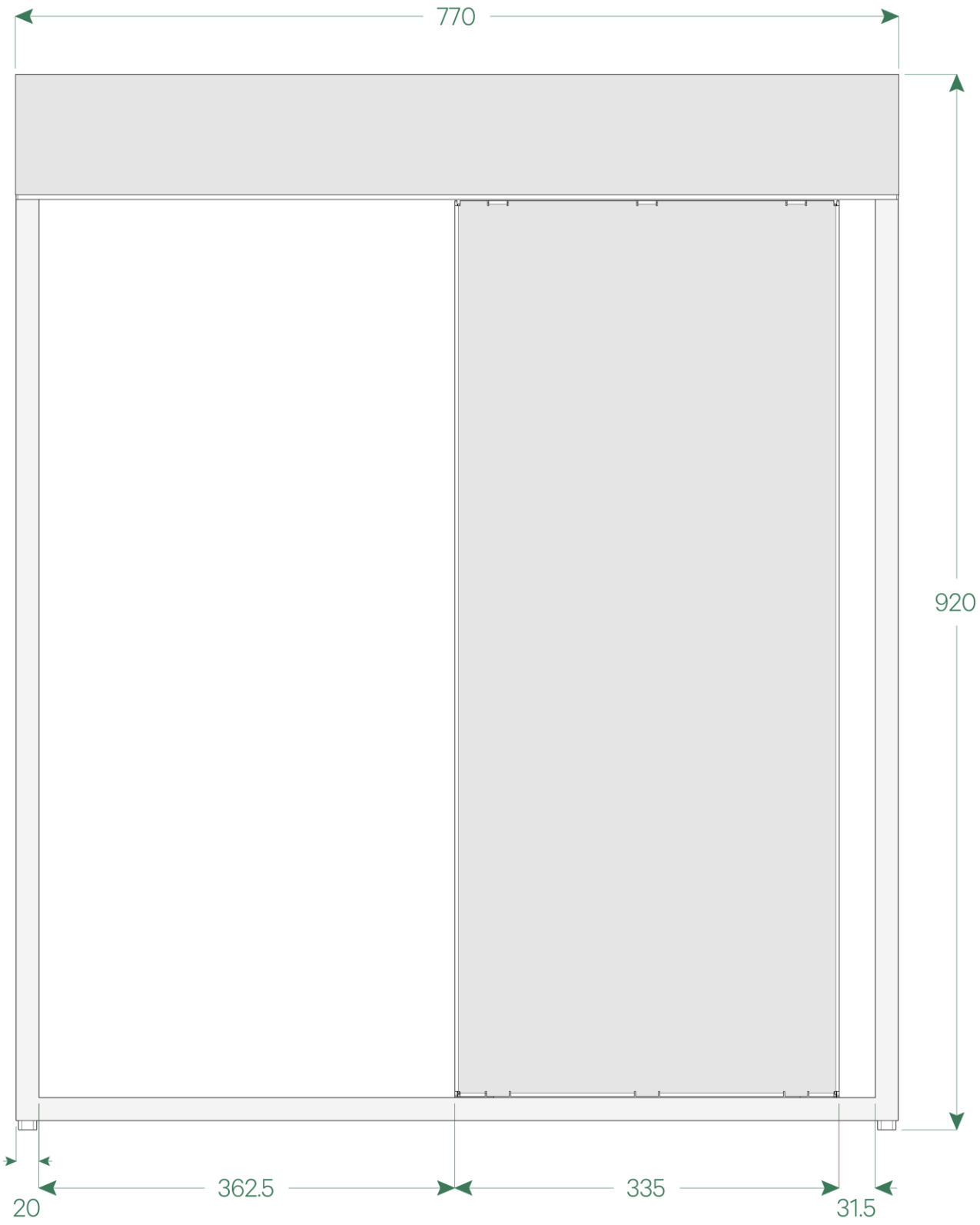
8.3.2. Top view

Technical specifications are subject to change without notice.
Version 1.0 – Status: 03/2022
poc: DKr

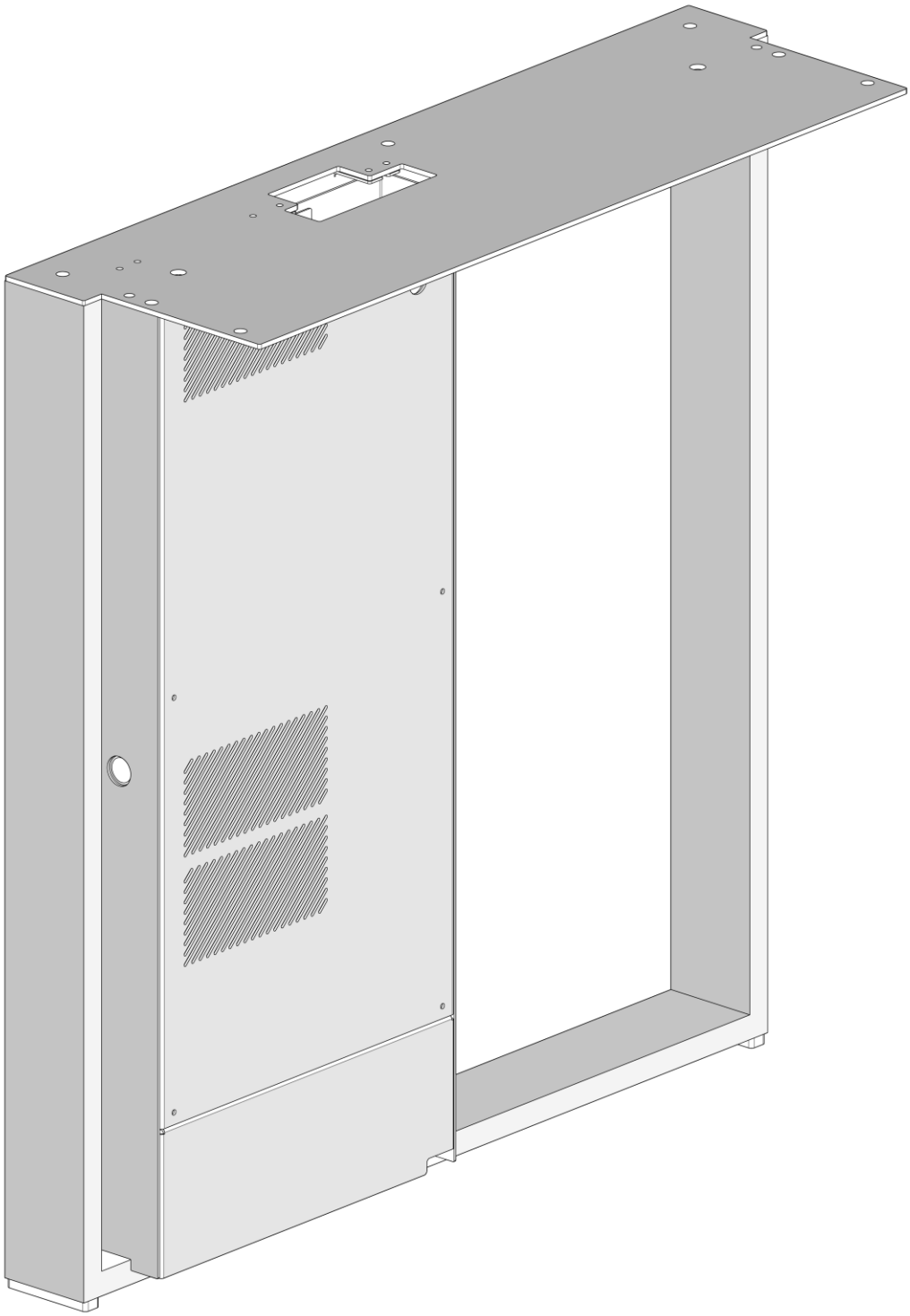
8.3.3. Front view

Technical specifications are subject to change without notice.
Version 1.0 – Status: 03/2022
poc: DKr

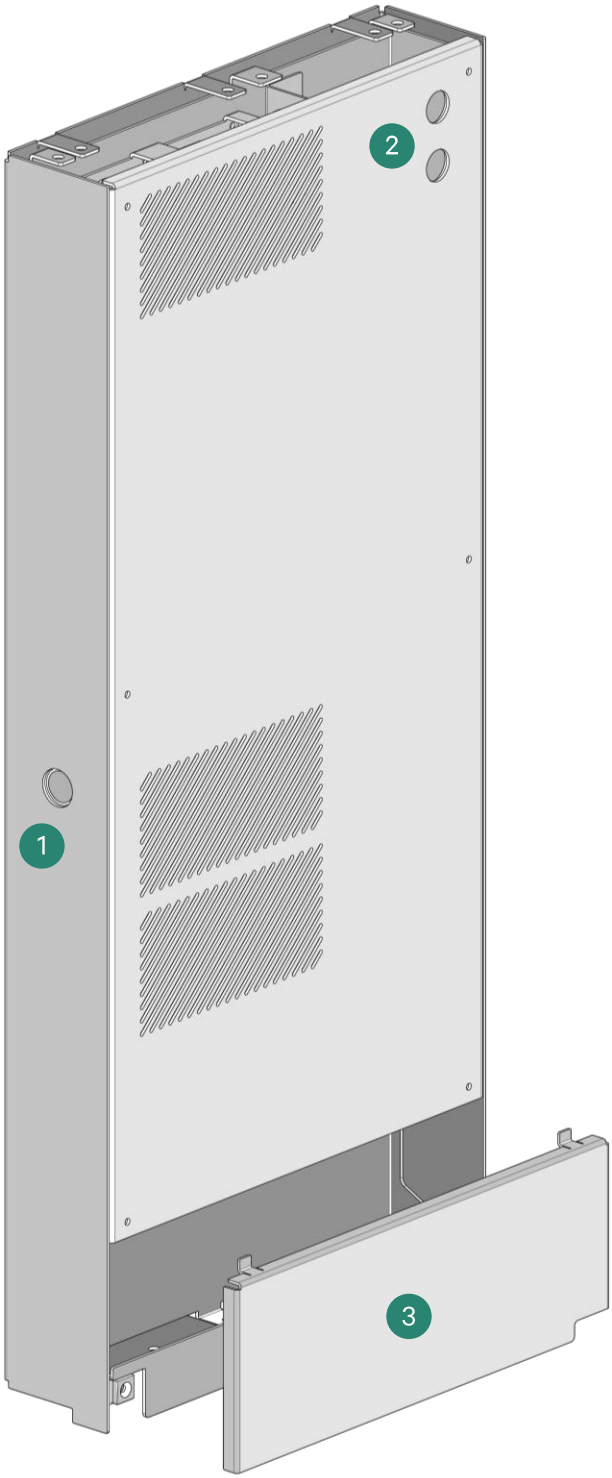
8.3.4. Right view



8.4. Detail – Tube with table legs

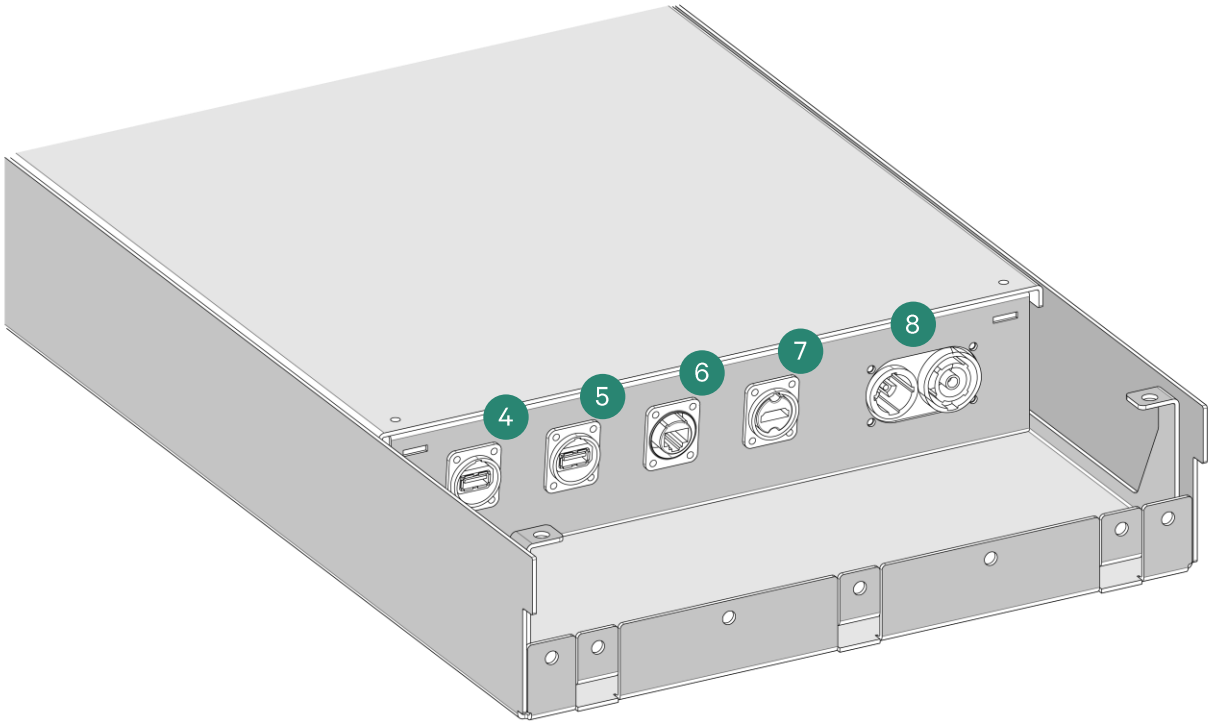


8.4.1. Detail – Tube



1	On / Off switch
2	WLAN antenna connection (SMA) with WLAN antenna
	USB 2.0 (type A)
3	Cover plate for power and peripheral connections

8.4.2. Detail – Tube connections



4	USB 3.0 (type A)
5	USB 3.0 (type A)
6	HDMI 2.0
7	RJ45 network connection
8	powerCON TRUE1 Power supply - input and output

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