USER MANUAL

21.5 inch Windows optical bonding touch pc

Pictures are image files and may have variations from the actual product.

Changes on the product or specifications of the manual are subject to change without prior notice to improve performance or quality.

21.5" Windows optical bonding touch pc

Table of Contents

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Before Using the Product

Safety Precautions

Please be careful when handling this device and follow all the instructions, warnings and caution notes. If instructions are not followed a serious or fatal injury or damage to properties may result.

Cleaning

Take care when cleaning the product as parts may become loose, disconnect or get scratched.

Please only use the following products when cleaning:

Use a dry microfiber cloth. Cleaning solutions should be alcohol based, non-staining detergents and must not be solvents like acetone.

Storage

The product shall be stored within the temperature range of -20°C and +70°C at 10 - 90 % relative humidity. Please do not store below or above the limits of the temperature range.

Electricity and Safety

Electrical installation etc.

Warnings!

- Never use a damaged power cord or plug, nor a power socket that is loose. This might result in fire or an electric shock.
- Do not use multiple products with a single power socket, as this may lead to overheated power sockets which may cause fire.
- Do not touch the power plug with wet hands. Otherwise, an electric shock may be the result.
- Always insert the power plug all the way to avoid it being loose. Insecure connections can cause fire.
- Always connect the power plug to grounded power sockets (type one insulated devices only), as otherwise injuries or electric shocks may result.
- Never bend the power cord or pull it with force. Furthermore, do not leave the power cord under heavy objects. These may cause damage to the cord, which can lead to a fire or electric shock.
- Do not place the product or power cord close to heat sources, as this may lead to fire or an electric shock.
- Any dust or dirt around the pins of the power plug or the power socket should be cleaned with a dry cloth to avoid a risk of fire.

Caution!

- Do not disconnect the power cord or cut power to the product while the product is running and being used. This can cause an electric shock or cause damage to the product.
- Only use the power cord provided by the manufacturer of this product. Do not use this product's power cord with other products. This can cause an electric shock or fire.
- Make sure to keep the power socket where the power cord is connected unobstructed.
  - o If an issue occurs, the power cord must be disconnected to cut off the power to the product.
  - o Please note that the product is not completely turned off by only using the power button.
- When disconnecting the power cord from the power socket hold the plug, as an electric shock or fire may result otherwise.

Installation
Warnings!

- DO NOT PLACE CANDLES, INSECT REPELLANTS OR CIGARETTES ON TOP OF THE PRODUCT. DO NOT INSTALL THE PRODUCT NEAR HEAT SOURCES. This can result in a fire.
- Do not install the product in spaces that are poorly ventilated or completely enclosed, to avoid an increased internal temperature as this may cause fire.
- When installing the product, keep it at a distance from the wall to allow sufficient ventilation and to avoid an increased internal temperature as this may cause fire.
- Keep any plastic packaging out of reach of children, as they are in danger of suffocating on plastic.
- Do not install the product on any unstable, insecure or vibrating surfaces, to avoid the product from falling and becoming damaged and/or causing injuries. Excess Vibration can damage the product or cause fire.
- As the product is heavy, install it on a flat and stable surface.
- Precautions during installation and storage

Caution!

- The product shall not be dropped while moving, as this may result in product damage or failure or personal injury.
- Do not lay down the product on its front, to prevent the screen from becoming damaged.
- Set down the product gently, to avoid potential product failure or personal injuries.
- In case of installation in unusual locations, the surrounding environment may cause serious problems in quality. Please contact customer service before installation. Among unusual locations are places where many fine dusts are generated, places where chemicals are used, places with too high or low temperatures, places with a lot of moisture or water and transportation equipment such as vehicles.

Operation
Warnings!

- Never open, disassemble, repair or modify the product by yourself. The high voltage inside the product can lead to electric shocks or fires. Please contact the customer service for questions and repair services.
- Before the product is moved, always disconnect the power cable and all other connected cables in order to avoid damage to the power cord, electric shocks or fires.
- In case the product produces abnormal sounds, burning smell or smoke, the power cord needs to be disconnected immediately to avoid risk of electric shocks or fire and the customer service shall be contacted.
- Do not let children climb onto the product or hang from it, as they could become injured or seriously harmed.
- Never leave heavy objects etc. on top of the product. If reached for, the objects may fall and cause serious injuries.
- If the product was dropped or the outer casing is damaged, please disconnect the power cord. Do not continue the use of the product as this may result in an electric shock or fires.
    - Please contact customer service to receive advice.
- Do not lift or move the product by pulling any cables or the power cord as this can result in product failure or damage, electric shocks or fires from damaged cables.
- Do not drop objects or apply impact onto the product to avoid electric shocks or fires.
- In case of gas leakage, do not touch the product or the power plug as sparks can easily cause explosions or fire. The area should be ventilated immediately.
- Do not keep or use combustible sprays or inflammable substances close to the product to avoid explosions or fires.

- Do not insert any objects into the product (fans, ports, etc.) especially ones that burn easily (cardboard, paper, matches, cloth, etc.) or are metallic (coins, hairpins, needles, nails, etc.).
  - o In case of foreign substances, objects or water having entered the product, please disconnect the power cord to avoid product failures, damage, electric shock or fires and contact customer service.
- Do not insert your fingers into the fans or other parts of the product as product failure or personal injuries may occur.

Caution!

- Leaving the screen fixed on a stationary image for an extended period of time may cause defective pixels or afterimage burn-in. Activating the power-saving mode or a screen saver with a moving picture if the product will not be used for an extended period of time is important.
- If you plan to not use the product for a longer period of time (holidays, vacations, etc.), please disconnect the power cord from the power socket as accumulated dust and heat can cause electric shocks, leakage or fires.
- The product has to be used at the recommended resolution and frequency to avoid deterioration of your eyesight.
- Looking at the screen too closely for an extended period of time can result in deterioration of eyesight.
  - o For every one (1) hour of using the product, rest your eyes for more than five (5) minutes, to relieve eye fatigue.
- Be cautious when adjusting the product position as excessive tilting of the product may result in the product falling and potentially injuring somebody or causing product damage.
- Heavy objects shall not be placed on the product as this may cause product failure or personal injuries.
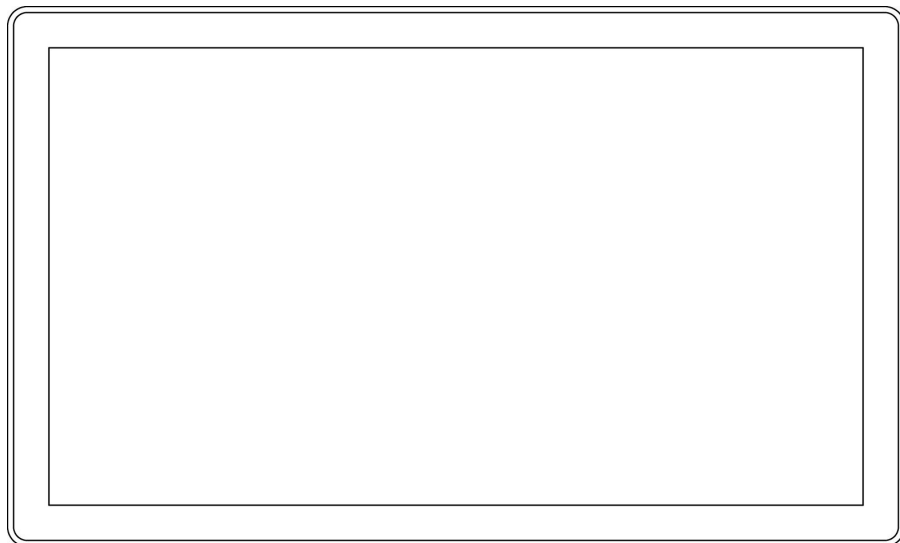
Opening the device
The device must not be opened at any times to avoid injuries and product damage.
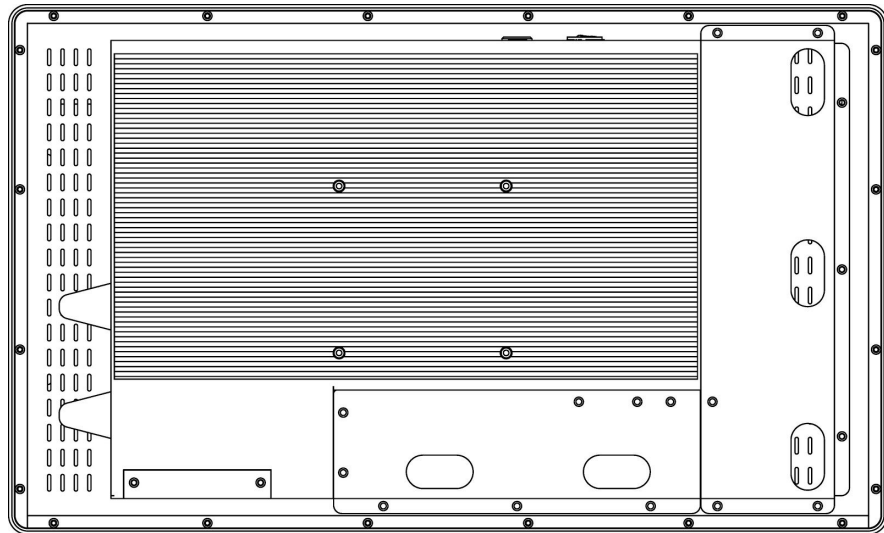
Preparations
Components
Please find a list of the delivered components below:
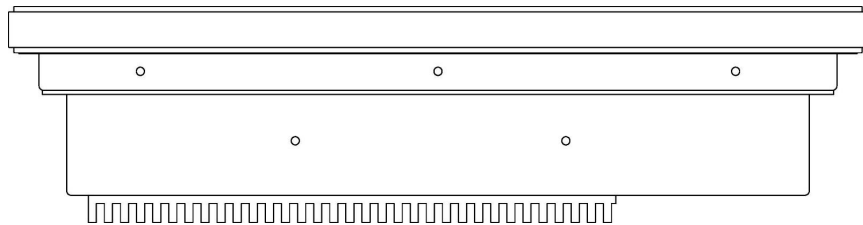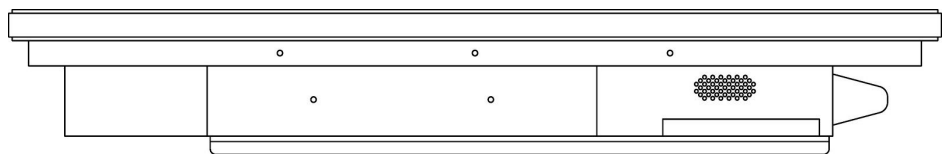
- Display

front view

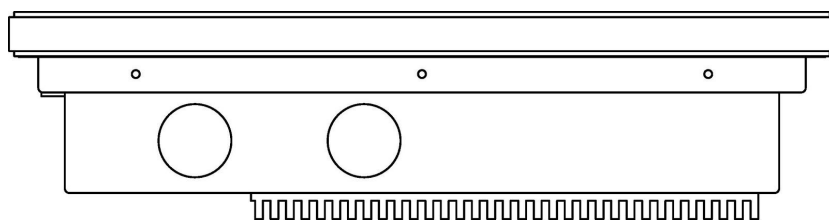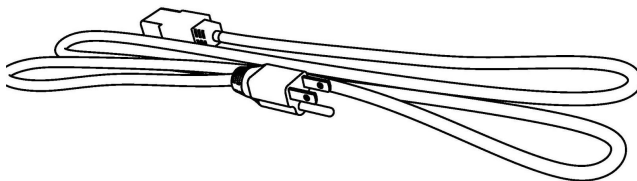21.5" Windows optical bonding touch pc

back view
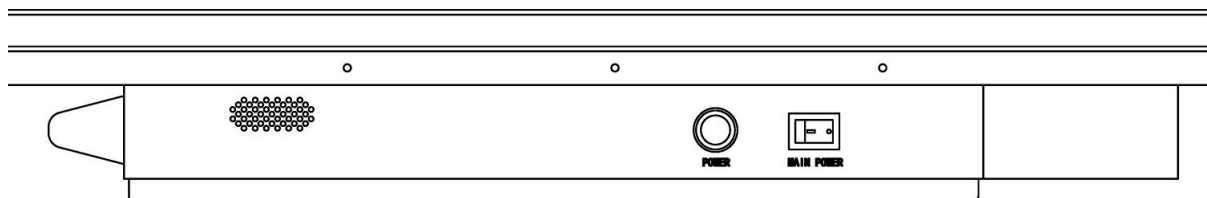

side view with cover
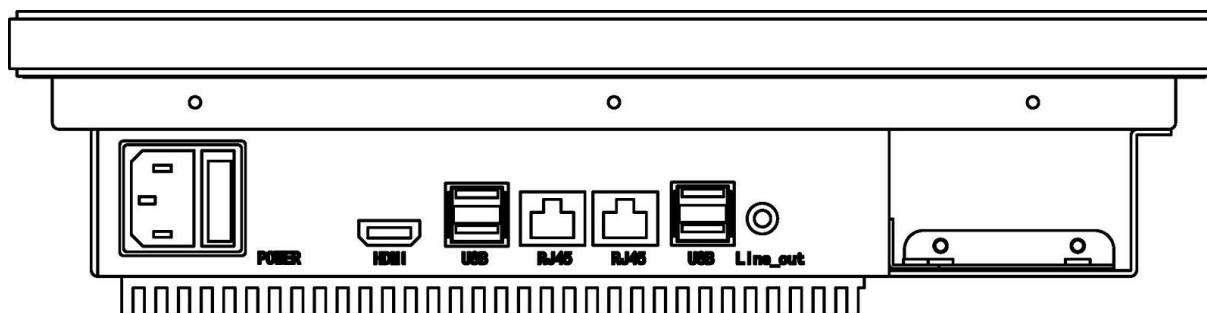

bottom view with cover

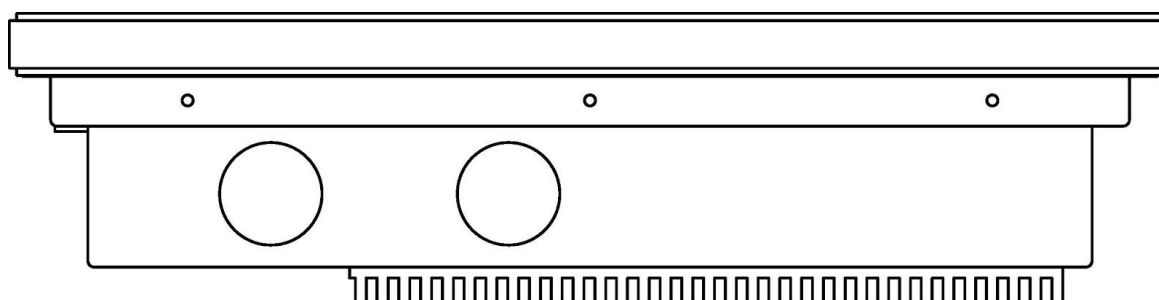side view with antennas
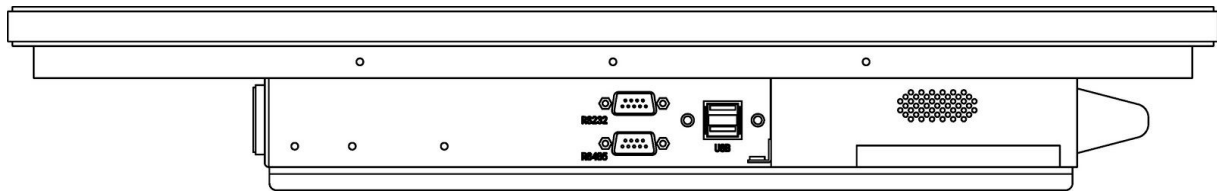
- Power cord

Ports and Buttons

Parts	Description
Power button	Power button. Press to power up or enter the standby/shutdown mode or press and hold for 6 seconds to switch the product on or off. The 6 second long press should only be used in case of full Windows operating system non-responsiveness for at least 15 minutes. Otherwise ALWAYS USE THE SHUTDOWN SEQUENCE OF WINDOWS OPERATING SYSTEM! FAILURE TO DO SO MAY CAUSE DAMAGE TO THE DEVICE.
Main Power	The red button is used for powering on the device.

Parts	Description
Power	Power cable port
HDMI	Via the HDMI port an external monitor can be connected, using an HDMI cable.
4x USB	Connect to a USB storage device, wired keyboard or mouse.
2x RJ45	Via the RJ45 or Ethernet port the device can be connected to the internet.
Line_out	Connect to an audio source e.g. speakers via an audio cable.

Parts	Description
Antennas: 1. Wi-Fi	One (1) Wi-Fi antenna to provide a wireless LAN connection.

Parts	Description
2x USB 3.0	Connect to a USB storage device, wired keyboard or mouse.
RS232	Serial port RS232
RS485	Serial port RS485

Before Installing the Product (Installation Guide)

IMPORTANT: Please note that the device must be installed so that it must not face direct sunlight!

In order to prevent damage to the product or personal injuries, this product must be attached securely according to the installation instructions.

- Installation of the wall or floor mount shall be handled by an authorized installation company, to prevent the risk of a falling device which could lead to personal injuries or product damage.

Installation on a Perpendicular wall
The minimum distance between the surface of a perpendicular wall and the installed product must be at least 50 mm in order to allow enough room for ventilation!

Installation on an Indented Wall or enclosed space
Only install the product on an indented wall or enclosed space if specifically discussed and allowed in writing by the manufacturer. Please contact the customer service for further information.

The minimum distance between the surface of an indented wall or enclosed space and the installed product must be at least 50 mm on all sides in order to allow enough room for ventilation!

The product must not be installed in an enclosed cabinet that has not been pre-approved by the manufacturer.

The ambient temperature has to be kept under 40 degrees Celsius.

Please do not block the fans on the product or insert any objects or fingers.

Connections
Before Connecting
Pre-Connection Checkpoints
- Please read the user manual of each source device before connecting it with the product. The amount and the locations of ports on the source devices may differ between devices.
- Only connect the power cable once all connections are completed. Connecting the power cable during the connection process can lead to damage to the product.
- Please check the different types of ports that you want to connect at the side or the back of the product.
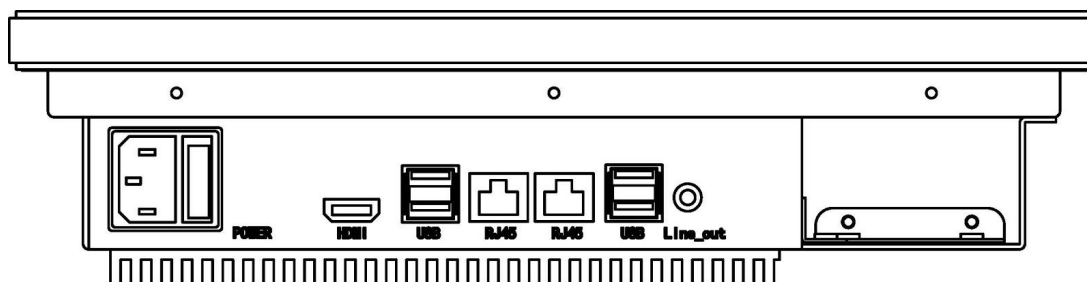
Before connecting cables

Please note that the color, shape and other appearance of the parts may differ from the images below. Specifications are subject to change without notice to improve the overall quality of the product.

IMPORTANT: Please do not connect the power cable before you have connected all other cables. Make sure that any source device was connected before the power cable was!

Connecting an HDMI cable

Please note that the color, shape and other appearance of the parts may differ from the images below. Specifications are subject to change without notice to improve the overall quality of the product. The connection parts may differ in different products.

Insert the cable into the port labeled as HDMI, after taking off the lid.
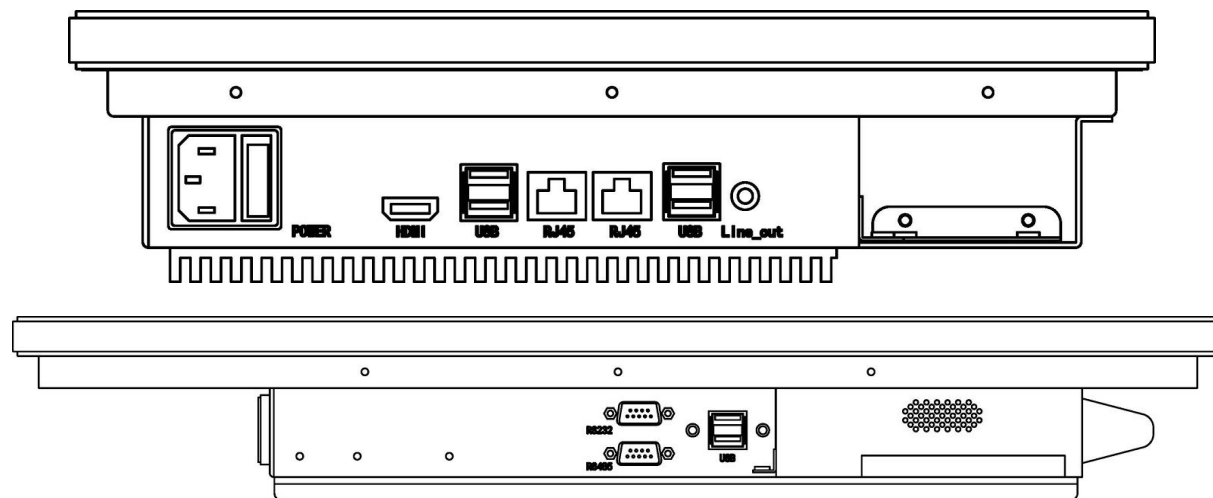
Connecting a USB Cable

Please note that the color, shape and other appearance of the parts may differ from the images below. Specifications are subject to change without notice to improve the overall quality of the product. The connection parts may differ in different products.

Insert the USB cable or storage device into one of the ports labeled as USB, after taking off the lid.
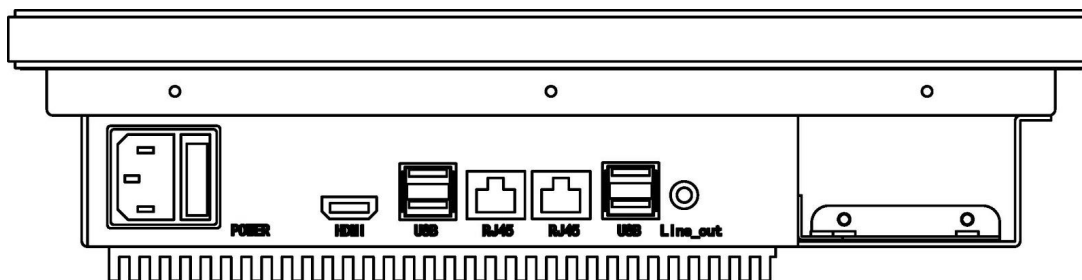
Connecting a LAN Cable (RJ45)

Please note that the color, shape and other appearance of the parts may differ from the images below. Specifications are subject to change without notice to improve the overall quality of the product. The connection parts may differ in different products.

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Insert an RJ45 cable into the ETHERNET port labeled with RJ45, after taking off the lid. Please use only a Cat7 (shielded twist pair Type) cable for the connection. (10/100 Mbps)
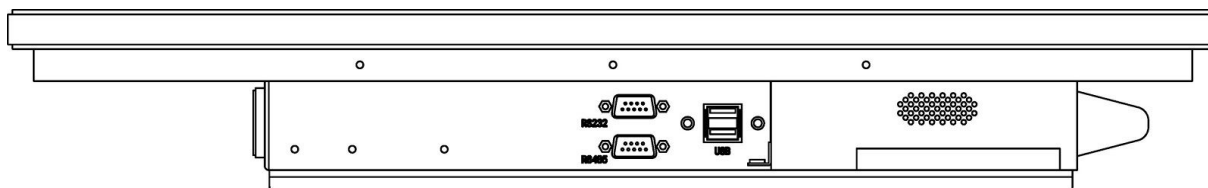
Connecting an RS232 cable

Please note that the color, shape and other appearance of the parts may differ from the images below. Specifications are subject to change without notice to improve the overall quality of the product. The connection parts may differ in different products.

Insert the cable into the port labeled as RS232, after taking off the lid.
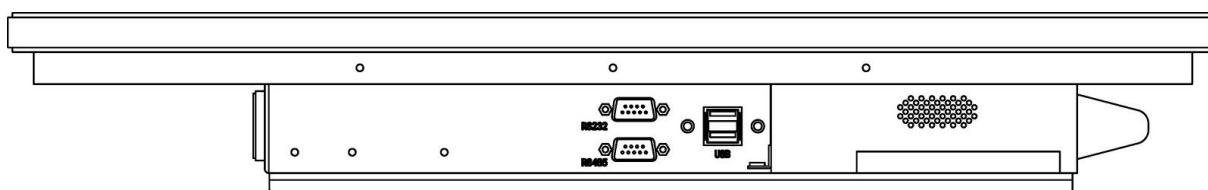
Connecting an RS485 cable

Please note that the color, shape and other appearance of the parts may differ from the images below. Specifications are subject to change without notice to improve the overall quality of the product. The connection parts may differ in different products.

Insert the cable into the port labeled as RS485, after taking off the lid.

First Steps

Turning the product on

In order to turn on the product, connect the device to power and then press the Power button. Please make sure that the power switch is always turned off when connecting the mains power!

Powering the product off

In order to power off the product, please press the red power switch in the off position and unplug the power once not needed.

Powering the product off

1. In order to power off the product, please tap the Windows Icon ⊞ in the lower-left corner of the screen to enter the Windows Start screen.

2. Tap the Power button ⏻ in the lower-left corner. There will be three (3) options on display, which are Sleep, Shut down and Restart.
3. In order to power the product off tap **Shut down**.
4. After the device has been shut down please press the red power switch in the off position and unplug the power once not needed.

> **IMPORTANT:** ALWAYS USE THE SHUTDOWN SEQUENCE OF WINDOWS OPERATING SYSTEM! FAILURE TO DO SO MAY CAUSE DAMAGE TO THE DEVICE!

Putting the product into sleep mode

If you want to put the product into the sleep mode manually please follow the steps below:

1. Please tap the Windows Icon ⊞ in the lower-left corner of the screen to enter the Windows Start screen.
2. Tap the Power button ⏻ in the lower-left corner. There will be three (3) options on display, which are Sleep, Shut down and Restart.
3. In order to put the product into sleep mode tap Sleep.

Using the touchscreen

Scrolling

Slide your finger across the screen up and down to move vertically on the page. Slide left or right in order to move horizontally.

Tap/Double Tap

In order to select an item on the screen please tap it. Depending on the application, program or area you are in either single tap or a double tap is needed. E.g. on the desktop a double tap is needed to launch an application.

Touch and Hold

In order to move applications, folders or files, touch and hold the icon and drag it to the new desired position.

In some programs this can also function as the "right-click" and will open the right-click menu.

Zoom

By using two fingers on the screen and sliding them closer to each other or further apart you can zoom in and out if the current program has this function in their pre-settings.

Windows

Windows Start Screen

Please tap the Windows Icon in the lower-left corner of the screen to enter the Windows Start screen. Here you can access various programs, settings and more.

- Search bar: to search Windows and the web 🔍
- Power: to choose between shutting down your product, restarting it or putting it into sleep mode. ⏻

- File Explorer: to access files and folders 🗔
- Settings: to access the Windows settings of your product ⚙

Status Bar

The status bar in the lower-right corner of the screen displays a variety of indicators such as Wi-Fi connection, speaker level and more.

If you want to make changes to the settings such as Wi-Fi or volume or investigate an issue related to those, tap the icon related to it. For example, tap the loudspeaker icon to adjust the speaker volume ◀Ი)) or tap the Wi-Fi icon ⁅ᵢ to change the Wi-Fi or switch or Airplane mode.

Connection to a Wi-Fi Network

1. Tap on the Windows Icon ⊞
2. Go to Settings ⚙ ☐ Network & Internet ☐ Wi-Fi and move the slider to the **ON** position
3. The device will automatically scan the surroundings for available Wi-Fi networks and display them.
4. Choose the Connection that you want to connect to and tap **Connect**. You may be required to type in a password
   a. If you have chosen "connect automatically" the device will connect to networks that you have previously connected to.
   b. Please note that some networks may be hidden and require the input of an SSID name along with the password

A shortcut to this procedure to connect to a Wi-Fi is to tap the Wi-Fi icon ⁅ᵢ in the bottom-right corner.

Airplane mode

The airplane mode disables all wireless connections. It is turned on when you see an airplane icon displayed in the bottom-right corner. Please note that if the airplane mode is turned on the wireless network connection is disabled.

In case you want to turn the airplane mode on/off please follow the steps below:

1. Tap on the Windows Icon ⊞
2. Go to Settings ⚙ ☐ Network & Internet ☐ Airplane mode and move the slider to the **ON** or **OFF** position

A shortcut to this procedure to turn the Airplane mode on/off is to tap the Wi-Fi or Airplane icon in the bottom-right corner.

Signing in with your Microsoft account

1. Tap on the Windows Icon

2. Go to Settings ⚙ ☐ Accounts ☐ Your account and sign in with a Microsoft Account

Ejecting attached USB devices

In order to safely remove an attached USB-device it should be ejected before being unplugged. Please follow the steps below:

1. Please save any open documents on the USB drive and close them.
2. Tap on the Windows Icon and then the search bar icon
3. Type "This PC" into the search bar and open the desktop application "This PC".
4. Find the name of your USB drive under the heading "Devices and drives" and long-click onto it, so that a drop-down menu will appear. A long-click equals a right-click with a mouse on a PC.
5. Click onto Eject.
6. Wait for the "Safe To Remove Hardware" notification.
7. Your USB drive is ready for removal.

There is also the option to eject a USB device by clicking onto the USB drive icon (and then Eject) that

can be found under the upwards pointing arrow next to the volume and Wi-Fi icon in the bottom right corner of the screen.

Recovery of the device

1. Tap on the Windows Icon

2. Go to Settings ⚙ ☐ Update & security ☐ Recovery in order to recover your device.
   a. Reset this PC: you can choose to keep your files or remove them and then reinstall windows. Tap Get started and choose the desired option.
   b. Keep my files: Apps and settings are being removed, but your personal files will be kept
   c. Remove everything: removes all of your personal files, apps and settings.
   d. Advanced startup: The option advanced startup enables to start up from a device or compact disc (e.g. DVD, USB drive) and change settings like firmware settings, Windows startup settings or can restore Windows from the system image. Click **Restart now**.

Please note that third-party applications will be removed!

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Technical Specifications

Screen specifications	
Model Name	21.5" Windows optical bonding touch pc
Panel Size	21.5"
Resolution	1920 x 1080, Full HD
Touch technology	PCAP, 10 touch points
Brightness	350 nits
Contrast	1000:1
Audio // Internal speakers	2 x 5W
RAM	8 GB
Processor	Processor Intel® Core i5 RAM 8GB
Harddrive	DDR4 Harddrive 128 GB SSD
Operating system	Windows 10
Connectivity	4x USB and 2x USB 3.0 (Type A Female), 2x RJ45 Ethernet, 2x Serial port (RS232 + RS485), 1x HDMI, 1x Audio Line_out, Interfaces (Wireless connectivity) Wi-Fi
Power supply	AC 100-240 V, 50/60 Hz Please note that the standard voltage can vary in different countries.
Power consumption (max|standby)	40W/0.5W
Dimensions	53 x 25 x 32 mm
Weight	6.1 kg
Yetitablet VESA mount dimensions	100x100
IP rating	not certified
Usage temperature range	0° to + 45° Celsius, at 0 - 95 % RH
Storage temperature range	-20° to + 70° Celsius, at 10 - 90 % RH
Cooling solution	passive
Compliant standards	CE, FCC

Sunlight

The device must be installed so that it must **not** face direct sunlight!

Support
Contact Information

Kuori Oy
Sinimäentie 6c
02630 Espoo
Finland

support@kuori.tech
Helpdesk: +358 10 3371 710

Please note that support will be available only in English.

Additional notes:

- During the manufacturing process of this product and its nature, approximately 1 pixel per million may appear brighter or darker on the screen. However, this does not affect the performance of the product.

- In a domestic environment this device may cause radio interference. Please take appropriate measures if needed.

FCC Statement
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.

Changes or modifications not expressly approved by the party responsible
for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits
for a Class B digital device, pursuant to part 15 of the FCC Rules. These
limits are designed to provide reasonable protection against harmful
interference in a residential installation. This equipment generates uses and can
radiate radio frequency energy and, if not installed and used in accordance
with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a
particular installation. If this equipment does cause harmful interference to
radio or television reception, which can be determined by turning the equipment
off and on, the user is encouraged to try to correct the interference by one or
more of the following measures:
Reorient or relocate the receiving antenna.
Reorient or relocate the receiving antenna.
Reorient or relocate the receiving antenna.
Consult the dealer or an experienced radio/TV technician for help important
announcement Important Note:

Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth
for an uncontrolled environment. This equipment should be installed
and operated with minimum distance 20cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with
any other antenna or transmitter.

Appendix

Warranty

Defining non-warranty cases

If service is requested, during the warranty period, service fees may apply in the following cases:

- The issue is not a product defect.
- The product damage has been caused by the customer or a third party.
- The product has been physically opened by a non-certified service technician.
- Other non-manufacturing defects

The issue is not a product defect

Into this category fall issues related to cleaning, adjusting, explaining or re-installing, etc. the product. Some examples for this are:

- A service technician provides instructions on how to use the device.
- A service technician adjusts options without disassembly of the device.
- A service technician removes or cleans foreign objects, items, materials or dust inside the product.
- The external environment causes defects (internet, antennas, etc.)
- Reinstallation or additional connections after the initial first time of installation.
- Reinstallation in a different location.
- Requested software installation and setup.
- Instructions requested with combined use of another company's product or program.
- …

The product damage has been caused by the customer

Into this category falls product damage that is caused by customer action such as mishandling, wrong repair, etc.

Product damage is caused by for example:

- Dropping the device
- External impacts
- Use of by the manufacturer unspecified products, parts or components
- Repair from an external service company that is not authorized by the manufacturer.
- Repair through the customer.
- Adjustments or remodeling by the customer.
- Use of incorrect voltage
- Use of not authorized electrical connections.
- Any action that is not complying with the warnings and cautions mentioned in the user manual.
- Afterimage burns caused by long periods of stationary content
- …

Other Cases

Into this category fall issues, product failure and damage that is caused by other impacts. For example:

- The product is damaged through a natural disaster such as fires, flooding, landslides, lightning, earthquakes, etc.
- …

Please note that service fees may apply if a service is requested by the customer even if there is no defect on the product.

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Please note that this device should only be serviced by those authorized and specifically trained to ensure adequate servicing techniques.

Warranty Statement

The manufacturer grants a two (2) year warranty period for its products from the day the product has been originally delivered. This limitation does not apply to state law warranties. The warranty covers structural, production and material faults. Purchased products are warranted to be free from material defects or defects caused by workmanship. Please note that the warranty does not extend to parts that have gotten lost, discarded or damaged by misuse, accidents, inadequate operation or maintenance or use of the product that violates the provided instructions in the manual or other indicators such as stickers etc. Furthermore, the warranty does not extend to parts or the product if the serial number has been removed or changed or where any other alterations without written permission of the manufacturer took place.

The warranty is valid only if the product has been used in an environment that it has been specifically designed for and if none of the above-mentioned exclusions of warranty take action. Users must ensure they have followed the installation/user/maintenance manual accordingly.

If the device is conforming to this warranty, the manufacturer will primarily attempt to repair the product either using new or remanufactured replacements for defective parts. The replacement parts are warranted one additional (year) from the day they have been used in the repair. An attempt to self-repair without written permission from the manufacturer will invalidate the warranty for the product. To obtain warranty service please contact customer service. Further instructions on how to proceed in specific repair or service cases will be instructed then.

The manufacturer will not reimburse potential work, travel or other indirect costs that may be generated due to product defects. The customer will be required to arrange the shipment of the device to the service center indicated by customer service and the return transportation. The customer will be responsible to cover all related transportation charges. When sending the device to the service center you must use the original cardboard box and packaging material or an equivalent. Please save the original receipt for proof of purchase.

After the Warranty Period

Please contact customer service in case your device requires repairs after the warranty period has expired. Please note that the customer will be required to arrange the shipment of the device to the service center indicated by customer service and the return transportation. The customer will be responsible to cover all related transportation charges such as shipping, insurance, etc.

The manufacturer does not authorize other companies, distributors, resellers, agents, dealers or other persons to modify, change or extend the here stated warranty terms.

Afterimage Burn-in Prevention
Please do not leave the image running on a stationary image for an extended period of time. This may cause afterimage burn-in or defective pixels. Use the power-saving mode or a dynamic screen saver or power off the product to prevent afterimage burn.

Afterimage burn should not occur through normal operation. Normal operation refers to continuously changing images on the screen. Stationary images for an extended period of time can cause a slight voltage difference between electrodes in pixels that control liquid crystals. Such voltage differences can increase over time and the liquid crystals become thinner. As a result, an image can remain on the screen when the pattern changes. However, afterimage burn-in should not occur when the above mentioned precautionary steps are taken.

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Screensaver

Using a screensaver is highly recommended. Ideally use a screensaver that is either single colored or with a moving image.

Power off

Please power off the product for approximately 2 hours for every 12 hours of usage.

Terminology

Source

Input source refers to an external device that is connected to the product.

Resolution

Resolution refers to the number of horizontal and vertical pixels that form a screen. The higher the resolution is, the more detail can be displayed on the screen. E.g. 1920 x 1080 consists of 1920 horizontal and 1080 vertical pixels that make up the resolution.

HDMI

HDMI stands for High Definition Multimedia Interface. This interface can be connected to a digital audio source and high-definition video source via a single cable without compression.

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