iCORE Wall Mount System

Installation Guide
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Manufacturer’s Certification

SPACE RESERVED FOR PRODUCT CERTIFICATION/SAFETY TEST IN COMPLIANCE WITH PRODUCT SAFETY REGULATIONS
Introduction

This installation guide provides you with the information you require to install the iCORE wall mount system.

Symbols used in this guide

- Text following this mark represents an item in a list.

“ “ Text in quotation marks contains references to other chapters or sections in this document.

● Paragraphs following this symbol are actions to be performed in the specific order.

⚠️ Text following this symbol has to be given special attention in order to avoid damage or injury.

ℹ️ This symbol identifies paragraphs which contain general notes to facilitate use of the device and help avoid operating errors.
Important safety precautions

! Please read the following notes carefully before doing any work on the device.

Installation notes

- When installing the device and/or doing any work on it, make sure that it is disconnected from the power.

General safety precautions

This device complies with the relevant safety regulations for information processing equipment.

- Note the warning and information labels on the device.

- The device is equipped with a safety-tested power cable, which must be connected only to a grounded outlet.

- Always hold the plug when removing the power cable. Never pull the cable itself.

- Install cables in such a way that they will not be damaged or crushed in any way.

- Have damaged power cables replaced immediately.

- Make sure that there is always free access to sockets used.

- In case of an emergency (e.g. damaged cabinets, control or power cables, liquids or foreign objects in the device), deactivate the device immediately by switching off the main on/off switch. Inform the customer service responsible for you.

- During the event of a thunderstorm, data transmission lines must not be connected or disconnected.

- Only use accessories and extension components that have been approved by Wincor Nixdorf. Nonobservance can result in damage.
Planning the Installation

to the system or violations of regulations concerning safety, radio interference and ergonomical requirements.

- To clean the device only use cleaning agents approved by Wincor Nixdorf International GmbH (see chapter “Appendix”, section “Approved cleaning materials”)

Repairs

⚠️ Repair work may only be carried out by authorized personnel.

Unauthorized opening of the device or repair work carried out improperly could result in considerable danger to the user.

In case of noncompliance, Wincor Nixdorf International GmbH excludes all liability.
Device overview – iCORE wall mount kiosk without printer
Device overview – iCORE wall mount kiosk with printer
Planning the Installation

This chapter provides you with the information you need to prepare for the installation of the device.

Device dimensions

All dimensions are specified in millimetres. The views of the device are not drawn to scale.
iCORE wall mount kiosk without printer

Planning the Installation
iCORE wall mount kiosk with printer
Required operation space

iCORE wall mount with printer

![Diagram of iCORE wall mount with printer]

**Reservation of minimum space is required to ensure proper ventilation during the operation of the device.**

iCORE wall mount without printer

![Diagram of iCORE wall mount without printer]
Required maintenance space

iCORE wall mount with printer

iCORE wall mount without printer

Maintenance space
Installation site requirements

When choosing the installation site, make sure that

- the device is sheltered indoor
- the system is mounted to a flat, sturdy, structurally sound column or wall surface.
- there is sufficient space for ventilation and access to the AC power outlet.
- the method of mounting must be able to support the weight of the system together with the suspended weight of all the cables attached to the system.
- the appropriate building and electric codes according to the local laws governing the safety of individual has been taken into consideration
- existing structures, cables, etc, are not damaged when drilling the mounting holes.

If necessary, appropriate arrangements must be made.
Determining the mounting height of the wall mount plate

The mounting height of the system should be appropriate and comfortable for the majority of the user.

Based on the recommendation of the ADA (American Disability Association), it is recommended that the highest point of the display should not exceed 1370mm height.

Mounting options

The system could be mounted onto either concrete wall or wooden wall.

Mounting to a concrete wall

As most of the brick walls have uneven surface due to the variation in the types of mortar joints, it is recommended to select a location on the wall that allows all the four corner screw holes to be able to remain flat without warping the wall mount plate.

In the case where this is not desirable, consider adding a metal washer or other type of shim under one or more screw holes so that the wall mount plate could be mounted without warping it.

Mounting to a wooden wall

The system could be mounted to a wooden wall if the construction changes to the wall are permitted. In fact, this method will provide a more reliable attachment of the system to the wall with a little risk that the system will be loosen or required ongoing maintenance.
Fastener types

Below is the recommendation of the fastener types to be used, depending on the mounting options. The fasteners are not included with the system, and must be supplied by the installer.

Select the fasteners that are rated either ‘Medium Duty’ or ‘Heavy Duty’. In order to ensure the appropriate selection of the fasteners, follow the fastener manufacturer’s recommendations.

For concrete wall

Use concrete screw with a size of 6.35mm (0.25 inch) diameter x 32mm (1.25 inch) length.

For wooden wall

Use wood screw with a size of 6.35mm (0.25 inch) diameter x 38mm (1.5 inch) length.
Preparing mounting location

The wall cutout at the mounting location is to be prepared according to the dimensions shown in the following diagram:

All dimensions are specified in millimetres, the diagram is not drawn to scale.

The power cables and the I/O for the system could be routed though the wall behind the system.
Installation

This chapter describes the steps to be taken to install the device.

Contact the person in charge of planning the installation to verify that all preparations have been performed completely and professionally and that none of the required power and data cables are missing.

Unpacking the system

- Remove the packing material of the iCORE wall mount system.
- Dispose of the packaging which is no longer needed according to the regulations of your country.
Mounting the system

**IMPORTANT:**

Ensure that the wall mount plate must be installed by a professional and qualified installer who is familiar with the building construction methods and the electrical code that are govern by the local laws on the public access areas.

- Prepare the mounting points penetrating from the wall according to the dimension of the mounting holes on the base of the system.

- According to IEC60950, the system will be subjected to a downward force of three times the weight of the system but not less than 50N applied through the centre gravity of the system for 1 minute. Hence, the force to apply on our system is 42kg since the calculated system weight is only 42kg.

- When the system is mounted onto the wall, ensure that the wall mount plate must be attached permanently and securely to prevent the system from falling and damaging if it is knocked, bumped or otherwise abused. Failing to do so may cause injury to others.
Mounting to a concrete wall

- Use the concrete anchors to attach the wall mount plate onto the concrete wall.
- Check and ensure that the wall mount plate is mounted squarely by using a bubble level.
- After installation, ensure that the screw heads are flush or below the outer surface of the wall mount plate.
- Ensure that the wall mount plate is firmly and securely attached to the wall.

Mounting to a wooden wall

In order to mount the system to a wooden wall, the required wood studs is recommended to be cut back approximately 38mm by 280mm high.

- Install the lag screws directly into the center of the studs without pre-drilling a hole.
- The wood support material is recommended to be either solid wood or plywood.
- Check and ensure that the wall mount plate is mounted squarely by using a bubble level.
- Install the wood screws directly into the wood support without pre-drilling the whole.
- Do not use lubricant or soap on the screws during the installation of the system.
- After installation, ensure that the screw heads are flush or below the outer surface of the wall mount plate.
- Ensure that the wall mount plate is firmly and securely attached to the wall.
Appendix

Technical data

Installation specifications

<table>
<thead>
<tr>
<th>iCORE Wall Mount System</th>
<th>With printer</th>
<th>Without printer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height:</td>
<td>755 mm</td>
<td>412 mm</td>
</tr>
<tr>
<td>Depth:</td>
<td>285 mm</td>
<td>168 mm</td>
</tr>
<tr>
<td>Width:</td>
<td>390 mm</td>
<td>390 mm</td>
</tr>
<tr>
<td>Weight of device:</td>
<td>Approx. 24 kg</td>
<td>Approx. 14 kg</td>
</tr>
</tbody>
</table>

Environmental Conditions

<table>
<thead>
<tr>
<th>OPERATING</th>
<th>Indoor air conditioned environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature:</td>
<td>+10°C to +35°C</td>
</tr>
<tr>
<td>Relative Humidity:</td>
<td>20 to 85% RH, non-condensing</td>
</tr>
<tr>
<td>Storage</td>
<td>Temperature: +10°C to +85°C</td>
</tr>
<tr>
<td>Relative Humidity:</td>
<td>5 to 85% RH, non-condensing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POWER SUPPLY</th>
<th>110 - 120 @ 50-60Hz</th>
<th>200 - 240 @ 50-60Hz</th>
</tr>
</thead>
</table>

| POWER CONSUMPTION          | Less than 2A        | Less than 4A        |