



# Abeeway ACISN0100WW Smart Badge Docking Station User Manual

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## Abeeway ACISN0100WW Smart Badge Docking Station



## Product Information

<b>Model</b>	25 ports USB 2.0 Docking station
<b>Product Description</b>	<p>The Abeeway is a docking station with 25 magnetic USB connectors for charging the Abeeway Smart Badge devices with high performance chips to make the docking station a 25-port USB 2.0 hub, ideal to update the firmware of the Smart Badge. A variant with the hub features OFF only useable for charging the smart badge is also available. The docking station requires 5V-12A external power supply either connected to the DIN connector or directly wired to 0V and 5V terminals to provide enough current to ensure fast charging of 25 Smart Badges. The 25 magnetic USB ports are protected against fault current surge with resettable PPTC fuses. Compatible with all USB-enabled operating systems.</p>
<b>Product Overview</b>	<ol style="list-style-type: none"> <li>1. USB2.0 Output interface x 25</li> <li>2. LED supply indicator</li> <li>3. Smart Badge</li> </ol>
<b>Specifications</b>	<ul style="list-style-type: none"> <li>• Output data interface: Magnetic male connector</li> <li>• Input data interface: Mini B USB</li> <li>• Led indicator: Orange</li> <li>• Power rated input: 5V DC – 12A</li> <li>• Absolute max DC input voltage: 6.0V DC</li> <li>• Power-rated port output</li> <li>• Size (in mm): 500 x 150 x 60</li> <li>• Net weight (in kg): 0.8</li> <li>• Case Material: Plastic cover/aluminium frame</li> <li>• Colour: Grey</li> </ul>

<b>System requirements</b>	<ul style="list-style-type: none"> <li>The docking station can be used without any additional hardware except for the power supply.</li> <li>You may need additional hardware as listed below:</li> </ul> <table border="1" data-bbox="464 288 1471 663"> <thead> <tr> <th>Item</th><th>SKU</th></tr> </thead> <tbody> <tr> <td>25 ports USB 2.0 Docking Station</td><td>ACISN0100WW</td></tr> <tr> <td>25 ports Docking station (hub disabled)</td><td>ACISN0000WW</td></tr> <tr> <td>AC/DC power adapter 5V-15A (EU plug-Type E)</td><td>ACISN1000EU</td></tr> <tr> <td>AC/DC power adapter 5V-15A (US plug-Type B)</td><td>ACISN1000US</td></tr> <tr> <td>AC/DC power adapter 5V-15A (GB plug-Type G)</td><td>ACISN1000GB</td></tr> </tbody> </table>	Item	SKU	25 ports USB 2.0 Docking Station	ACISN0100WW	25 ports Docking station (hub disabled)	ACISN0000WW	AC/DC power adapter 5V-15A (EU plug-Type E)	ACISN1000EU	AC/DC power adapter 5V-15A (US plug-Type B)	ACISN1000US	AC/DC power adapter 5V-15A (GB plug-Type G)	ACISN1000GB
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<b>Safety instructions</b>	<ul style="list-style-type: none"> <li>During device FW update, the smart badge must not be unplugged otherwise Flash memory may be corrupted and the device damaged.</li> <li>Keep the magnetic USB connectors clean, do not use the product in a high dust environment to prevent any short. Clean connector, if necessary, in case of the presence of conductive dust, copper filament, etc.</li> <li>Any external power supply used with the docking station shall comply with the relevant regulations and standards applicable in the country of use. The power supply should provide 5V DC.</li> </ul>												

## Product Usage Instructions

### Charging the Smart Badge devices

1. The docking station (ACISN0100WW / ACISN0000WW) can be used to charge the Smart Badge devices.

### Synchronizing connected devices with the USB 2.0 docking station (ACISN0100WW)

1. Connect the power cord to supply the docking station.
2. Connect your computer to the hub with the type B mini-USB cable supplied with the USB 2.0 hub variant.
3. Launch the software Abeeway updater installed on a mini-PC.
4. Flash the QR code for detailed instructions on how to install the Abeeway updater Software on a mini-PC.
5. Wait until you can see your devices listed and sync your device with the relevant binary and config files.

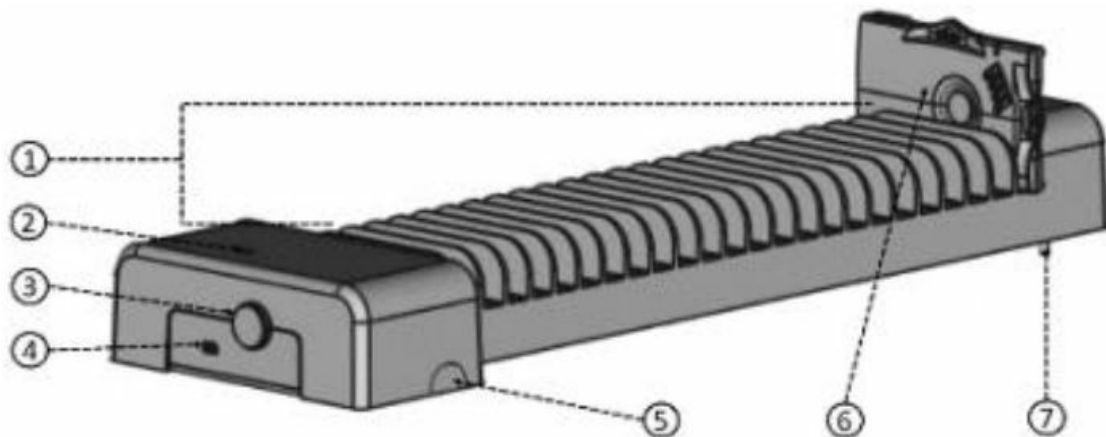
## Fixing the docking station

1. The docking station can be mounted horizontally or vertically on the wall.
2. The solid aluminium body with 4 pre-drilled holes ensures a high-quality and secure fixation.
3. Remove the top cover, and fix the aluminium plate with 4 screws on a solid mounting surface.

## Product Description

- The Abeeway is a docking station with 25 magnetic USB connectors for charging the Abeeway Smart Badge devices with high-performance chips to make the docking station a 25 port USB 2.0 hub, ideal for updating the firmware of the Smart Badge. A variant with the hub features OFF only useable for charging smart badge is also available.
- The docking station requires a 5V-12A external power supply either connected to the DIN connector or directly wired to 0V and 5V terminals to provide enough current to ensure fast charging of 25 Smart Badges. The 25 magnetic USB ports are protected against fault current surge with resettable PPTC fuses.
- Compatible with all USB-enabled operating systems.

## Product Overview



1. USB2.0 Output interface x 25.
2. LED supply indicator.
3. DC input – DIN connector (1).
4. Mini USB2.0 Input interface (1).
5. Knockouts for wiring DC input.
6. Smart Badge.
7. Holes for mounting device.

Available in the USB 2.0 hub docking station (ACISN0100WW)

## Specifications

- **Model:** ABW005X12
- **Output data interface:** Magnetic male connector

- **Input data interface:** Mini B USB
- **Led indicator:** Orange
- **Power rated input:** 5V DC – 12A
- **Absolute max DC input voltage:** 6.0V DC
- **Power-rated port output:** 5.0V DC – 0.48A
- **Temperature operating range:** -10°C – 40°C
- **Size (in mm):** 500 x 150 x 60
- **Net weight (in kg):** 0.8
- **Case Material:** Plastic cover/aluminium frame
- **Colour:** Grey

## Installation

### How to charge the Smart Badge devices

- The docking station (ACISN0100WW / ACISN0000WW) can be supplied with the PC-05150 AC/DC power adapter. Insert in the right direction the power cord into the 4-pin DIN socket.
- Multiple docking stations can be wired in parallel to a single high-power 5V source like the HSP-300-5 switching power supply. This installation should be carried out by a qualified electrician. Remove the top cover, fix the docking stations, make the wiring using the green power terminals and get the cables out by removing the plastic knockouts on the top cover.
- Once a 5V supply is available, the orange LED should be ON
- Place Smart Badges on any unused USB port, the white LED of the device will be ON if the battery is not fully charged.

### How to synchronize your connected devices with the USB 2.0 docking station (ACISN0100WW)

- Connect the power cord to supply the docking station.
- Connect your computer to the hub with the type B mini-USB cable supplied with the USB 2.0 hub variant.
- Launch the software Abeeway updater installed on a mini-PC.
- Flash the QR code for detailed instructions on how to install the Abeeway updater Software on a mini-PC
- Wait until you can see your devices listed and sync your device with the relevant binary and config files.



### How to fix the docking station

- The strong magnetic attraction of the USB port allows the docking station to be mounted horizontally or vertically on the wall whatever seems best to your configuration.
- The solid aluminium body with 4 pre-drilled holes ensures a high-quality and secure fixation.
- Remove the top cover, fix the aluminium plate with 4 screws on a solid mounting surface.

## System requirements

The docking station can be used without any additional hardware except the power supply. However, you may need additional hardware as listed below:

Item	SKU
25 ports USB 2.0 Docking Station	ACISN0100WW
25 ports Docking station (hub disabled)	ACISN0000WW
AC/DC power adapter 5V-15A (EU plug-Type E)	ACISN1000EU
AC/DC power adapter 5V-15A (US plug-Type B)	ACISN1000US
AC/DC power adapter 5V-15A (GB plug-Type G)	ACISN1000GB

## Safety instructions

- During device FW update, the smart badge must not be unplugged otherwise Flash memory may be corrupted and the device damaged.
- Keep the magnetic USB connectors clean, and do not use the product in a high dust environment to prevent any short. Clean connector, if necessary, in case of the presence of conductive dust, copper filament, etc.
- Any external power supply used with the docking station shall comply with the relevant regulations and standards applicable in the country of use. The power supply should provide 5V DC
- Do not hit, throw, or puncture the product.
- Do not store or expose this product to water or moisture.

## Certification (in progress)

- For LVD and EMC compliance certificates, scan this QR code for more details
- The product complies with EC and North
- American product safety standards, and it is marked as ETL listed product.




## Warranty

Abeeway products are sold with the default warranty period applicable to your country, and at least one year from the date of purchase. For more information, please refer to our local reseller.



Documents / Resources

	<p><a href="#">Abeeway ACISN0100WW Smart Badge Docking Station</a> [pdf] User Manual ACISN0100WW Smart Badge Docking Station, ACISN0100WW, Smart Badge Docking Station, Badge Docking Station, Docking Station</p>
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