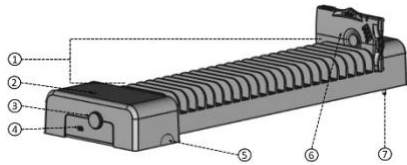# User Manual
25 ports USB 2.0 Docking station

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 to update 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 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 5: Knockouts for wiring DC input
2: LED supply indicator 6: Smart Badge
3: DC input – DIN connector [(1)] 7: Holes for mounting device
4: Mini USB2.0 Input interface [(1)]

(1) 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
Color	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 pins 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 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 aluminum body with 4 pre-drilled holes ensures a high quality and secure fixation. Remove top cover, fix the aluminum 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, smart badge must not be unplugged otherwise Flash memory may be corrupted and device damaged.
- Keep the magnetic USB connectors clean, do not use product in a high dust environment to prevent any short. Clean connector, if necessary, in case of 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 date of purchase. For more information, please refer to our local reseller.