

WINCOR
NIXDORF



BEETLE /iScale Hub

Product Information

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Manufacturer Certification

This device fulfills the requirements of EU Regulations 89/336/EEC "Electromagnetic Compatibility" and 73/23/EEC "Low Voltage Guidelines."



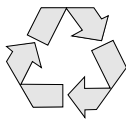
The device carries the CE logo on its outside, or the logo is located on the packaging.



Approved Safety

The GS logo for "Approved Safety" has been issued for the BEETLE /iScale Hub.

Recycling



Environmental protection begins not with the disposal of technical devices, but much earlier, when the devices are manufactured. This product was conceived according to the Wincor Nixdorf standard for "Environmentally Friendly Product Design and Development."

The BEETLE /iScan hub is manufactured without the use of CFC or CHC and is manufactured predominantly of recyclable components and materials. The processed plastic materials are, for the most part, recyclable. The precious metals can also be recovered. This saves both energy and precious raw materials.

You can help the recycling process by not placing any additional stickers on device.

There are currently components used in production for which no new uses can be found. Wincor Nixdorf International GmbH guarantees the disposal of such components in an environmentally responsible manner at an ISO 9001-certified recycling center.

Therefore, please do not simply throw your BEETLE /iScan Hub into the trash when you are through with it. Instead, please have it recycled in an environmentally friendly and state-of-the-art manner.

You get answers to all of your questions regarding take-back, recycling and disposal of our products from your local branch office or from our environmental protection office in Paderborn.

E-mail: info@wincor-nixdorf.com

We look forward to hearing from you!

Warranty

Wincor Nixdorf assures a warranty of 12 months from the date of delivery and acceptance. This warranty relates to all defects which occur in the course of normal use of the product. Defects resulting from

- improper or insufficient cleaning,
- improper use of or unauthorized modifications to the product,
- an inappropriate product location or inappropriate environment

are not covered.

For additional details on the warranty, please refer to your contract documents.

Safety Information

The BEETLE /iScale Hub conforms to the applicable safety regulations for data processing equipment.

Also observe these safety instructions:

- If this device is brought into the operation room from a cold environment, condensation may appear. Before startup, the device must be absolutely dry; therefore, a temperature adjustment time of at least two hours must be allowed for.
- When putting the device into place, make sure that the mounting plug apparatus and the safety plug with grounding contact are readily accessible.
- Completely disconnect the unit from the power supply by unplugging it.
- During storms never plug in or unplug the data cables.
- Protect the device from shock, dust, humidity and heat.
- In an emergency (for example, if damage occurs to the housing or power supply cable, liquid spills or a foreign object falls into the unit), turn the device off immediately and unplug the power cable. Then contact Wincor Nixdorf GmbH's Technical Customer Service or your dealer's authorized service partner.
- Your BEETLE /iScale Hub is the result of the most modern technical innovation. Therefore, please ensure that the operating environment is equally modern with regard to construction and technical facilities. This will ensure that your BEETLE /iScale Hub can function efficiently and without error. You should only connect the BEETLE /iScale Hub, or other information technology devices, to electrical power supply grids equipped with a separate ground wire (PE). This type of electrical power supply grid is called a TN-S power supply system. Do not use PEN conductors!
Also follow the recommendations of the DIN VDE 0100, Section 540, Addendum C2. This will provide additional support in avoiding the possibility of malfunctions.

- Repairs to the unit may be performed by authorized technicians only. By opening the unit without authorization or performing improper repairs to it, not only do you subject yourself to substantial hazards, you also lose all warranty and liability claims.

Cleaning Instructions

Clean your BEETLE /iScale Hub at regular intervals using a cleaning product that is suitable for plastic surfaces. Before cleaning the unit, make absolutely certain that the device is switched off (via the POS system) and the power cord is unplugged. While cleaning, do not allow any liquid to enter the inside of the unit.

Introduction

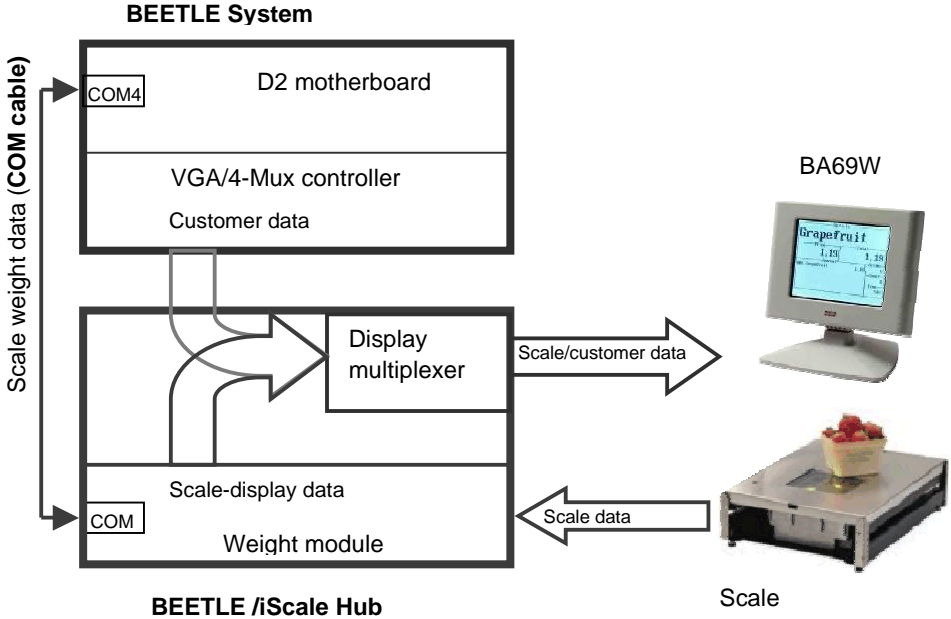
The BEETLE /iScale Hub is an expander rack for connecting scales to BEETLE POS systems.

A plain scale can be attached to the weight module located in the hub. This module takes over the processing of all of the scale information, from the tare setting to the zero-weight calibration setting.

The link between the module and a VGA/4-MUX multiplexer card allows the results of the weight calculations (weight data) to be displayed on the BA69 customer/user monitor.

To protect the weight module from manipulation, it is secured at the rear side of the BEETLE /iScale Hub with a calibration seal.

BEETLE /iScale Hub Design

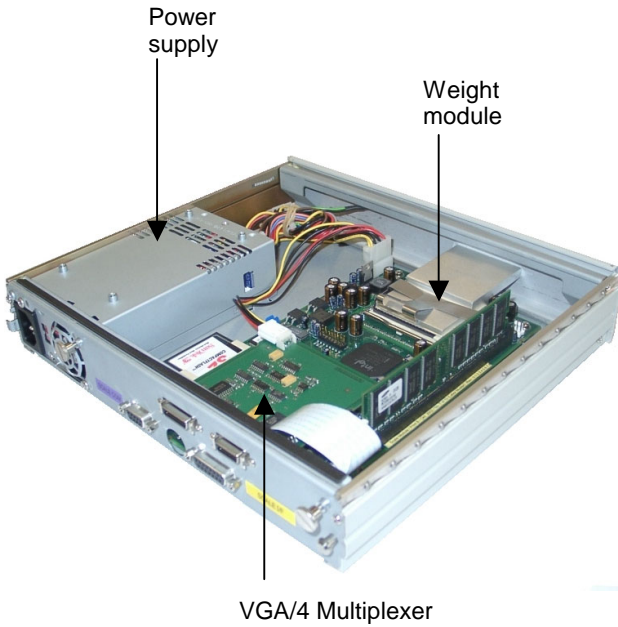


The BEETLE /iScale Hub is connected to an installed BEETLE system via a COM (communications) port.

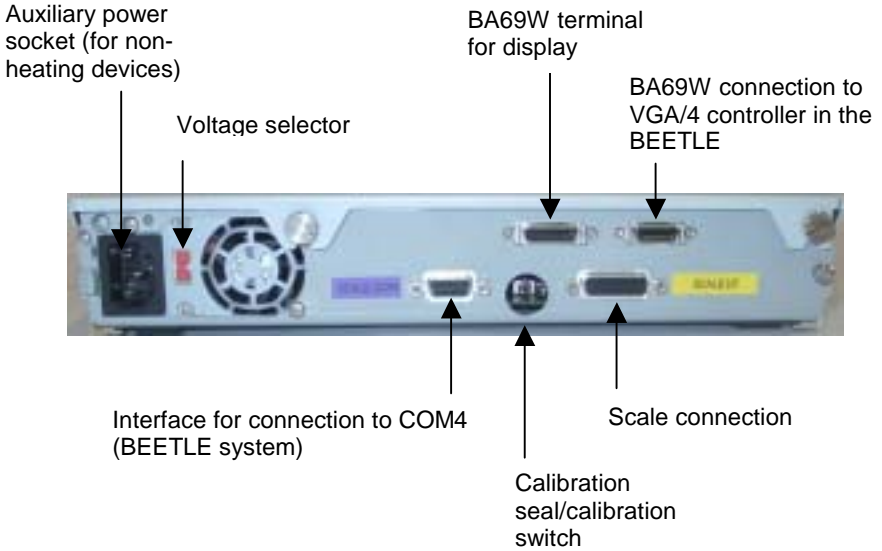
Customer and scale information are displayed on a single customer display using a screen multiplexer.

The connections between the BEETLE /M and the BEETLE /iScale Hub, as well as those between the BEETLE /iScale Hub and the BA69W display, are each established via an LCD cable. The scale's weight data are transferred between the BEETLE /iScale Hub and the BEETLE /M via a COM cable.

Inside View



Rear Side of the BEETLE /iScale Hub



Before Installation and Switching the Device On

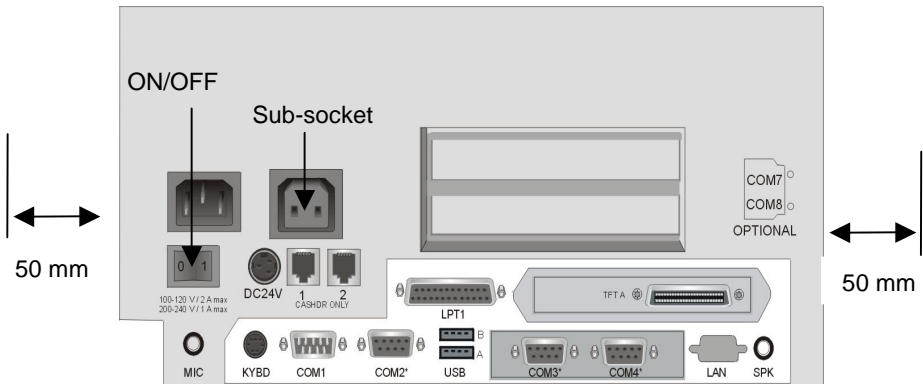


The power supply unit can be connected to any conventional power supply grid. Adjust the device to the local voltage using the switch located next to the power jack.

A cooling fan provides the necessary cooling. The power output of the power pack is a maximum of 120 W.

Installing the Devices

Install the devices so that they are not subjected to any extreme environmental conditions. Protect the devices from shocks, dust, moisture, heat and strong magnetic fields. Always be sure that the side ventilation slots of the BEETLE /M are not blocked, thus ensuring that the device always has sufficient ventilation. If you plan to install the unit into a confined space, always be sure to maintain the minimum side clearance (50 mm) and ensure constant air flow for effective ventilation. The immediate ambient temperature for the systems must not exceed 40° C. These requirements can best be met if you do not install the unit into completely *confined* furniture.



When installing the devices, also make sure that the **calibration seal and calibration switch** on the rear side of the BEETLE /iScale Hub are **visible** and readily **accessible**! If it is accessible from only one side, turn the devices (for example 180 degrees vertically) so that the rear sides point outwards (to the access side).

Place the BEETLE /M on the BEETLE /iScale Hub.

Cable Connections for the BEETLE /M and BEETLE /iScale Hub

Connect the BEETLE /iScale Hub Scale COM to the COM4 interface on the rear side of the BEETLE /M.

Since the BEETLE /iScale Hub does not have its own ON/OFF switch, we **recommend** connecting the BEETLE /iScale Hub using the switched auxiliary power socket to the sub-socket of the BEETLE /M (see illustrations on pages 8 and 9).

You can then control both devices using the ON/OFF switch on the rear side of the BEETLE /M.

The connections between the BEETLE /M and the BEETLE /iScale Hub, as well as between the BEETLE /iScale Hub and the BA69W display, are each established using an **LCD cable**. The scale's weight data are transferred between the BEETLE /iScale Hub and the BEETLE /M via a **COM cable**.

Appendix

BEETLE /iScale Hub Technical Data

Housing

Width	288 mm (11.34 in.)
Depth	267 mm (10.51 in.)
Height	58 mm (2.24 in.)

Weight	approx. 3.5 kg
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Ambient requirements

Climate class 3K3	DIN IEC 721-3-3
Climate class 2K2	DIN IEC 721-3-2
Climate class 1K2	DIN IEC 721-3-1

Temperature:

Operation (3K3)	+5°C to +40°C
Transport (2K2)	-25°C to +60°C
Storage (1K2)	+5°C to +40°C

Power input voltage	100 - 120 VAC 200 - 240 VAC
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Max. current consumption	0.25A at 200 - 240V 0.5A at 100 - 120V
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Line voltage frequency	50 - 60 Hz
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Noise emissions:

The noise level of the BEETLE /iScale is less than the maximum allowable noise level in accordance with Paragraph 15 of the (german) workplace directives.

Wincor Nixdorf International GmbH, July 2003
D-33094 Paderborn
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