WINCOR
NIXDORF

BEETLE /M-II

with Embedded Scale
Controller and 2 Displays

Technical Information

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Introduction

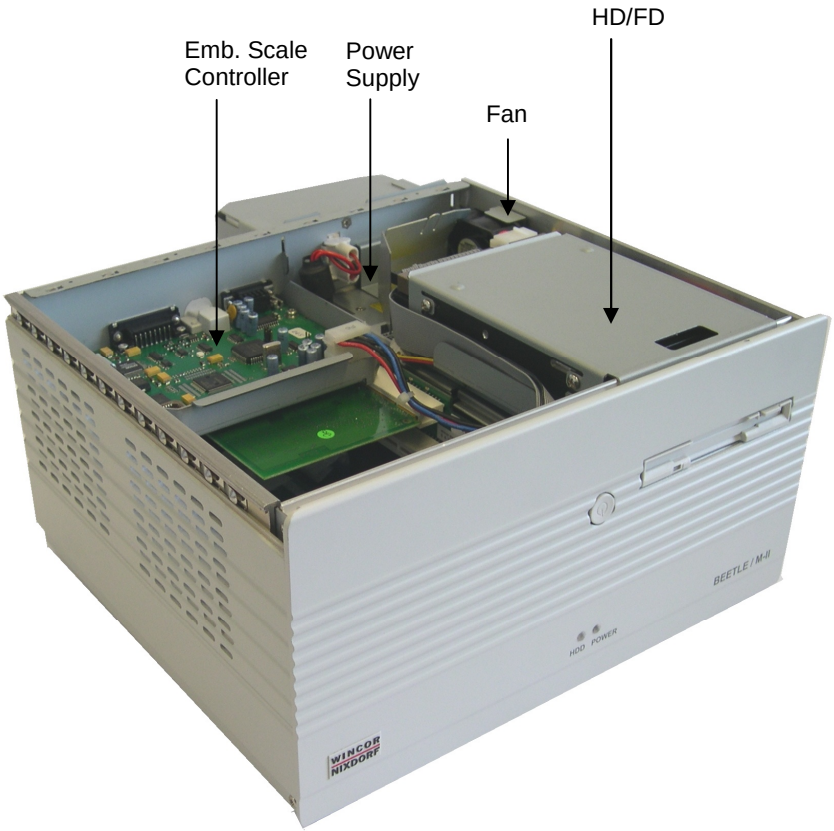
The BEETLE /M-II is a newly developed POS system, equipped with an additional embedded scale controller to which a scale can be connected.
This module processes all scale data from tare specification to zero setting.

The embedded scale controller is internally connected to a multiplexer card VGA/4-MUX PCI so that the scale data can be displayed at the customer/cashier display BA69. The display BA69W with tare and zero button must be connected to the LCD2 socket of the multiplexer card.

For security reasons the scanner scale module has a calibration seal at the backside of the BEETLE /M-II.

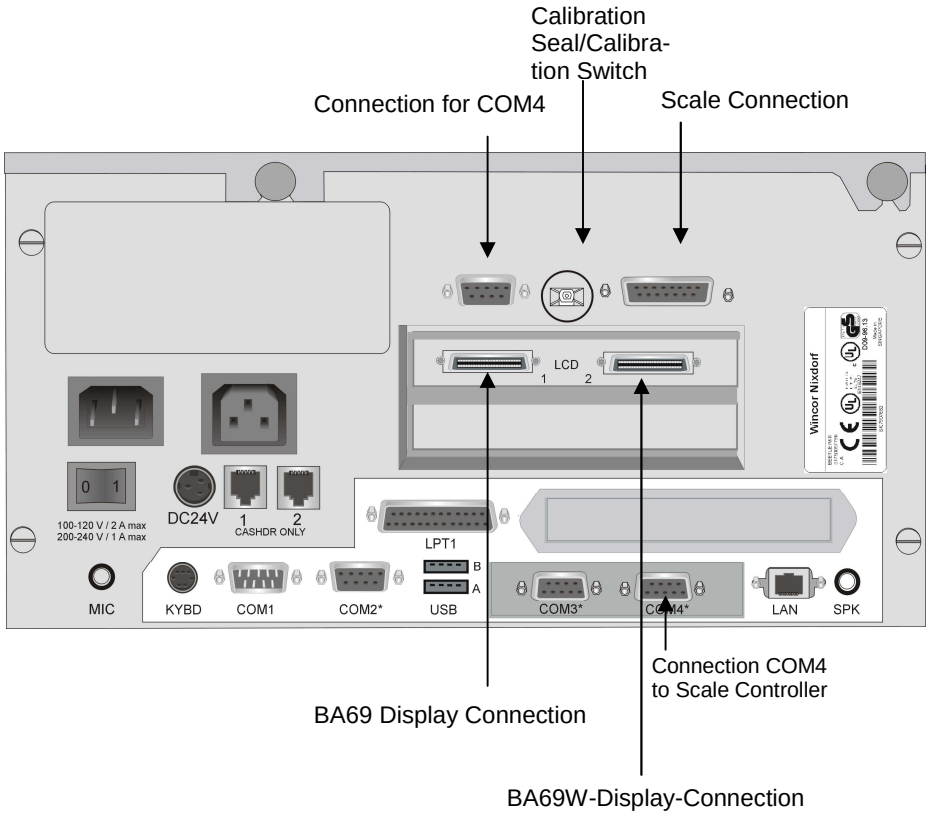
Interior View

Embedded Scale Controller



VGA/4-MUX PCI-Controller

Backside

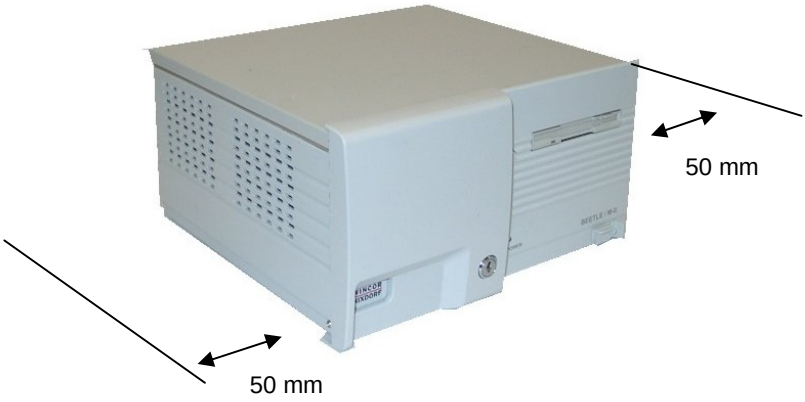

Calibration Seal/Calibration Switch
Connection for COM4
Scale Connection
LCD
1
2
Wincor Nixdorf
0 1
100-120 V / 2 A max
200-240 V / 1 A max
DC24V
1
2
CASHDR ONLY
LPT1
B
A
MIC
KYBD
COM1
COM2*
USB
COM3*
COM4*
LAN
SPK
Connection COM4 to Scale Controller
BA69 Display Connection
BA69W-Display-Connection

Dimensions

Width:	288mm
Height:	155mm
Depth:	286mm (without cable cover)
	354mm (with optional cable cover)

Setting up the Device

Set up the BEETLE /M-II POS system so that it is not subject to any extreme environmental conditions. Protect the device from shocks, dust, moisture, heat and strong magnetic fields. Always be sure that the side ventilation slots of the BEETLE /M-II are not blocked, thus ensuring that the device always has sufficient ventilation. Mind the **minimum clearances** indicated below! If you plan to install the unit into a confined space, always be sure to maintain the specified minimum clearance and ensure constant air flow for effective ventilation. The immediate **ambient temperature** for the system must not exceed **40° C/104° F**.
These requirements can be best met, if you do not install the unit into a completely confined furniture.



The maximum depth of installation can be equal to the entire depth of the unit including the optionally available cable cover, i.e. 354 mm.

Vertical Installation

The following minimum clearances must also be provided in vertical mounting into a confined furniture in free convection to ensure sufficient ventilation:

- upwards: 50 mm
- downwards: 50 mm

A vertically installed device therefore has to be placed on a rig (spacer made of non-combustible material) that guarantees sufficient ventilation and a minimum clearance of 50 mm to the bottom of the furniture.

A surface made of nonflammable material (e.g. concrete or metal) must be located underneath the vertically mounted BEETLE.

Install the equipment so, that the side with the fan points upward. This is the side with the lower number of ventilation slots (see picture).

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

Technical Specifications

Footprint Width Depth (w/o cable cover)	 288 mm 286 mm
Height	155 mm
Weigth	approx. 7 kg (depending on the installation)
Weight of battery with panel	approx. 930 g
Power consumption (typical)	3A / 5A max.
Line voltage frequency	50 / 60 Hz
Noise generation	< 47 dB (A)
Power input ratings	100 – 120 V / 2A max. 200 – 240 V / 1A max.

Operating temperature
EN 60721-3-3, class 3k3 Environmental test IEC 68 / EN60068
Air temperature: +5° C to +40° C **Humidity**: 5% r.h. (1 g/m 3) – 85% r.h. (25 g/m 3) **Temperature fluctuation**: 0.5 K/min (max. 7.5K/30 min) **Atmospheric pressure** 70 kPa – 106 kPa (70 kPa corresponds to installation approx. 3000m above sea level) Installation environments with long exposure to the sun should be avoided

Storage requirements
EN 60721-3-1, class 1k2 Environmental test IEC 68 / EN60068
Air temperature: +5° C to +40° C **Humidity**: 5% r.h. (1g/m 3) – 85% r.h. (25 g/m 3) 0.5 K/min **Temperature fluctuation**: 0.5 K/min (max. 7.5K/30min)

Transport requirements
EN 60721-3-2, class 2k2 Environmental test IEC 68 / EN60068
Air temperature: -25° C to +60° C **Humidity**: 15% r.h. (1 g/m^3) – 98% r.h. (32 g/m^3) **Temperature fluctuation**: -25° C / +25° C

Manufacturer Certification

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

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

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