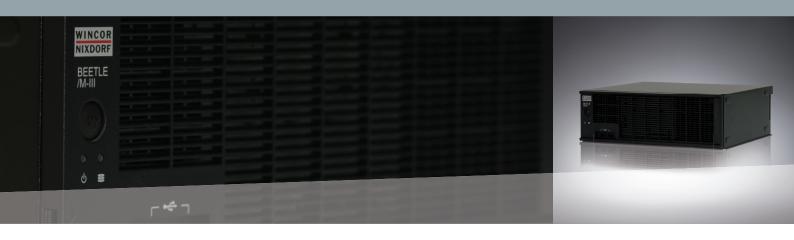# BEETLE /M-III

POS system for the highest standards of performance

Increasing requirements

POS systems have long had to do much more than simply scan items and handle payments. Dynamically growing requirements mean that they will have to cover a greater and greater performance range in the future. New customer-oriented, multimedia software solutions demand simultaneous operation of several applications.

Next-generation architecture

The BEETLE /M-III, the latest generation of the successful modular POS family from Wincor Nixdorf, offers excellent scalability, above all in terms of performance with the capability to adapt to the constantly changing retail business requirements. Based on Intel's latest 4th generation of Core processors (Haswell Technology) the system covers a wide performance range starting with an Intel Celeron Dual Core processor to the Intel Core i5 Quad Core processor for the very highest performance requirements. The enhanced graphics power of the Intel H81 and Q87 chipsets, along with high-speed main memory modules and up to two SATA drives, ensure that the processor not only computes quickly, but that users clearly notice the higher performance of the overall system. Up to two storage devices with RAID capabilities can be combined with an optional front accessible drive cage for exchangeable drives to support an easy swap of storage media.

Commitment to the environment

For many years now, we have paid attention to optimizing power consumption in designing our systems, for example by using power-saving processors. The BEETLE /M-III uses the latest Intel processors, which offer higher performance, yet consume less power than processors used in the predecessor models. The power supply unit complies with the strict 80PLUS Gold environmental standard and has a constant energy efficiency of at least 87 %. In tandem with peripherals powered from the system and power-saving functions in the operating system, the result is a sharp reduction in power consumption and resultant CO_2 emissions. These technologies not only enable us to protect the environment, but also cut operating costs and optimize total cost of ownership.

Versatile connectivity

The BEETLE /M-III boasts a wide range of standard PC and retail-specific powered interfaces to connect the numerous peripherals. Additional USB ports are accessible from the front to provide even more convenience. The new PLink 2 interface can be used to connect up to two BA9x touch displays to the system. PLink 2 is based on the DVI standard and enables a "one cable display connection" which reduces cable complexity. The type and number of interfaces of the system can be customized flexibly.

WINCOR NIXDORF

Outstanding reliability

Nothing is worse than if a POS system fails or important transaction data is lost. BEETLEINFO allows critical components, such as fans, the motherboard and the hard disk, to be constantly monitored so as to increase system availability. Like all BEETLE systems, the BEETLE /M-III is especially immune to static discharge and RF interference. All BEETLE systems are designed to run in retail environments where there are higher ambient temperatures.

Continuity is key

With over 40 years of experience in the business, we know the requirements for high availability, stability and continuity of systems, as well as the fact that customers demand low costs. By using embedded chipsets and processors in our systems, we ensure that our models will be able to be supplied for at least 5 years. We guarantee spare parts and service for a further 7 years and so protect existing investments.

Space saving

It is better to use counter space for selling goods rather than for a POS system. The BEETLE /M-III impresses with a redesigned low-profile chassis and one of the smallest footprints for a POS system in this performance class.

Incomparable manageability

The BEETLE platform has borne the " Ready for Management" label for many years. And the BEETLE /M-III is no exception. Our POS systems are equipped with BEETLEINFO, our tried-and-proven desktop management agent, which supports remote asset management and monitoring of the POS systems. The BEETLE /M-III supports Intel Active Management Technology (AMT), a hardware-based technology for remotely managing and securing the system out-of-band – independent of the state of the operating system.

TECHNICAL DATA

Processor
- Intel Celeron G1820/2x 2.7 GHz
- Intel Core i3-4330/2x 3.5 GHz
- Intel Core i5-4570S/4x 2.9-3.6 GHz
  (with Intel vPro Technology)

Main Memory
- 4 GB – 16 GB DDR3 RAM

I/O Expansion Slots
- 2x PCIe (low-profile)

Interfaces
- RS232 (standard/powered): 1-3/3-5
- USB (2.0/3.0): 4/2
- PoweredUSB /12V/24V) 3-7/1
- Keyboard/mouse
- Audio
- Video: VGA, 2x DVI/PLink 2
- Ethernet LAN: 10/100/1000
- Cash drawer

Drives
- Max. 2x SATA HDD/SSD

System Management
- BEETLEINFO (desktop management)
- Desktop Management Interface (DMI)
- Preboot Execution Environment (PXE)
- Advanced Power Management (APM)
- Advanced Configuration and
  Power Interface (ACPI)
- Wake on LAN (WoL)
- System Management BIOS (SMBIOS)

Dimensions
- (W x H x D) in mm: 312 x 103 x 303
  without cable cover

Operating Systems
- Microsoft Windows
- POSReady 7
- Windows 8.1 Professional
- Windows Emb. 8.1 Industry for Retail
- WNLPOS (Linux)

Options
- Onboard RAID
- Removable drives
- Intel Active Management
  (AMT 9.0 incl. KVM – keyboard/
  video/mouse)

Cash drawer

Hand-held scanner

POS printer

Customer display

Color display