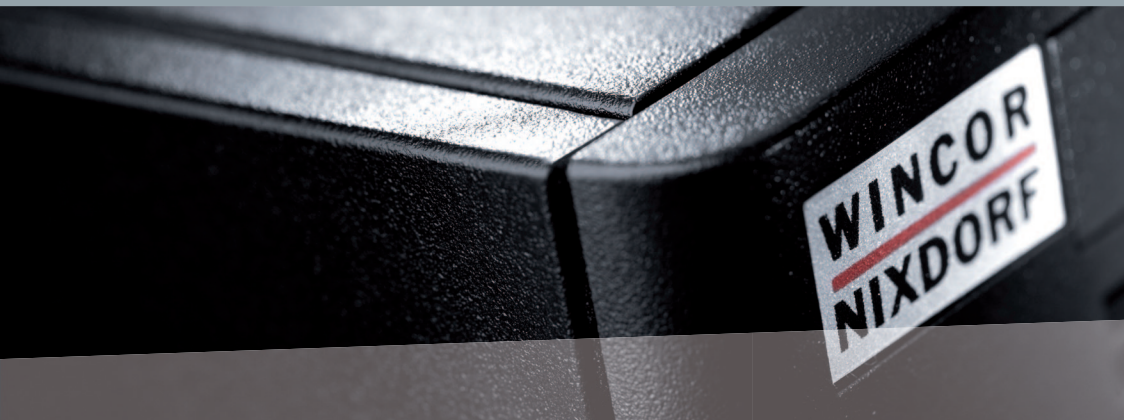# BEETLE /M-II plus

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-II plus offers excellent scalability, above all in terms of performance – from a state-of-the-art Intel Celeron Dual Core processor to the Intel Core i5 processor for the very highest performance requirements. These processors have up to 4 processor cores and enable commands to be processed in parallel, instead of sequentially as in the past. The enhanced graphics power of the Intel G41/Q35/Q67 chipsets, along with high-speed main memory modules and up to two SATA hard disks, ensure that the processor not only computes quickly, but that users clearly notice the higher performance of the overall system. The option of an integrated RAID controller increases the level of security for hard disk data substantially.

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-II plus uses the latest Intel processors, which offer higher performance, yet consumes 30 % less power than processors from the predecessor generation. The power supply unit complies with the strict 8o PLUS environmental standard and has a constant energy efficiency of up to 87 %. In tandem with peripherals powered from the system and power-saving functions in the BIOS and 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 total cost of ownership.

Versatile connectivity

The BEETLE /M-II plus 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 type and number of interfaces can be customized very flexibly.

Space saving

It is better to use counter space for selling goods rather than for a POS system. The BEETLE /M-II plus impresses with 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-II plus is no exception. Our POS systems are equipped with BEETLEINFO, our tried-and-proven desktop management, agent, which supports remote inventorization and monitoring of the POS systems.

**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-II plus is especially immune to static discharge and RF interference. All BEETLE systems are designed to run in retail environments where there are higher 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.

Printed in Germany, June 2012

Processor
- Intel Celeron Dual-Core
  E1500/2.2 GHz
- Intel Pentium Dual-Core
  E5300/2.6 GHz
- Intel Core 2 Duo
  E7400/2.8 GHz
- Intel Celeron G540/2.5 GHz
- Intel i3-2120/3.3 GHz
- Intel i5-2400/3.1 GHz

Main Memory
- 1 GB – 16 GB DDR2 RAM
  (Model-specific)

I/O Expansion Slots
- 2 x PCI or
- 1 x PCI + 1 x PCI Express

Interfaces
- RS232 (standard/powered) 1/1-7
- USB (standard/powered): 4/max. 7
- Keyboard/mouse
- Audio
- Video VGA/DVI/PanelLink/
  Display Port
- Ethernet LAN: 10/100/1000
- Cash drawer
- 24 VDC POS printer

Drives
- Max. 2 x 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

Dimensions
- (W x H x D) in mm:
  310 x 126 x 280/369
  without/with cable cover

Operating Systems
- Microsoft Windows XP/Windows 7
- WEPOS/POSReady 2009/POSReady 7
- WNLPOS (Linux)

Options
- Integrated UPS
- Onboard RAID
- DVD-ROM/-RW
- Intel Active Management
  Technology (AMT)

Cash drawer

Hand-held scanner

POS printer

Customer disply

Color display