

**WINCOR
NIXDORF**

BEETLE POS Systems Environmental Responsibility



■ The preservation of our natural resources and the use of state-of-the-art technologies do not necessarily represent a contradiction. Wincor Nixdorf is committed to the principle of ecological responsibility. Environmental protection is for us a task, a stimulus, a belief and a duty all in one. We are interested in more than just ecological products and environmentally-compatible production. In every respect, we focus on our customers: we want them to benefit from cutting-edge technology and we want to fulfill their expectations of an ecologically-friendly company.

Published by
Wincor Nixdorf International GmbH
Retail Division
Heinz-Nixdorf-Ring 1
33106 Paderborn
Germany
Phone +49 (0)5251 693 3901
Fax +49 (0)5251 693 3903
www.wincor-nixdorf.com

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Wincor Nixdorf has demonstrated for years that sustainable growth, cost efficiency and environmental protection are indeed compatible. Ecology-mindedness has always been firmly enshrined in the company's philosophy and permeates all its divisions and units. Wincor Nixdorf looks at the issue of environmental protection across all phases of the product lifecycle – from product planning, development, production, logistics, service and maintenance to the return and recycling of its products. As early as the planning stage, Wincor Nixdorf makes sure that environmentally-friendly components are used and pays attention to energy efficiency. The guiding principle at all times is: reuse before disposal.

DEVELOPMENT

- Environmentally-friendly system design
 - Use of ecologically-compatible materials
 - Material labeling to enable recycling
- Innovative energy-efficient INTEL processor technology
- 80 PLUS-compliant power supplies with the very highest efficiency
- Powered peripheral interfaces reduce the number of power supplies and energy losses
- Use of innovative flash memory technology

PRODUCTION

- Avoidance of harmful substances
 - Bio lacquering plant
 - Optimization of resource consumption electricity, gas and water
- Avoidance and environmentally-friendly disposal of waste
 - Solvent-free lacquers
 - Up to 90% recycling of waste
- Reduction in CO2 emission
 - Cutting-edge technology to increase energy efficiency

OPERATION

- Guaranteed long availability
 - Sales for up to 5 years
 - A further 7 years of spare parts supplies after product discontinuation
- Low power consumption by the overall system
- Intelligent power management
 - Power-saving modes to suit requirements
- Powerful e-services
 - Clever, effective remote maintenance
 - Reduction in technician call-outs

RECYCLING

- Old devices returned by customers are recycled in the Recycling Center. Over 90 percent of materials can be reused, a figure that stood at only some 45 percent 20 years ago.

ENVIRONMENTAL PROTECTION IS FOR US A TASK, A STIMULUS, A BELIEF AND A DUTY ALL IN ONE.

Technological progress – whether that means more powerful processors, graphical user interfaces, or new peripherals such as flat panel touchscreens and self-service cash components – enables sophisticated POS applications that meet the wish for greater customer service. We see our challenge as being the fulfillment of the desire for better performance in an environmentally compatible fashion while keeping users' operating costs low. Energy efficiency, availability and effective service concepts have the greatest influence on achieving this goal. In the process, intelligent selection of the right components is critical.

Energy-efficient processor technology

Energy-saving processor technology from the market leader Intel is used in all BEETLE POS systems. The X-series models, which use a mobile, ultra-low-voltage Celeron M processor with a maximum consumption of only 5 watts, are particularly energy-efficient. They offer more than adequate performance for many POS solutions, coupled with excellent environmental compatibility.

For more complex, multifunctional applications, the powerful BEETLE /M-II plus with the latest Intel Core 2 Duo processor technology delivers the very highest processor performance, yet consumes more than 30% less power than processors from the predecessor generation.

80 PLUS-compliant power supplies

BEETLE POS systems are equipped with 80 PLUS power supplies as a further important measure for increasing energy efficiency. They boast an 80% efficiency rate, up to one-third better than that of conventional power supplies.

Flash memory technology

As an alternative to the hard disk, Wincor Nixdorf is increasingly using storage media based on flash memory. The power consumption (less than one watt) of these solid state disks is significantly lower than current hard disk drives.

Power supply from the system

The peripherals are powered from the system. That eliminates the need for separate power supplies and the associated energy losses.

Longer service life

An important aspect: despite shorter innovation cycles, Wincor Nixdorf ensures a longer service life of up to 12 years and protects users' investments with migration concepts and upgrade options.

Intelligent power management

The POS systems are not normally disconnected from the main power supply. BEETLE POS systems can be switched into various power-saving modes to enable power consumption to be controlled in line with demand.

Environmental standards are more than just an obligation

Avoidance of harmful substances also applies as a basic principle for the internal workings of the devices. Lead and nickel-cadmium batteries, for example, have been replaced by modern nickel-metal hybrid batteries. The packaging is made from environmentally-friendly materials. Polystyrene and synthetic materials are not used in so far as is possible. Wincor Nixdorf therefore complies with the relevant RoHS and WEEE standards.

Protecting the environment is an integral part of company policy for Wincor Nixdorf. Several years ago, the company therefore introduced an environmental management system that has been regularly audited in accordance with the DIN EN ISO 14001 standard by the German Management System Certification Society (DQS).

All of these measures contribute to optimizing the energy balance of the POS systems, sparing resources and cutting operating costs for users.

