BEETLE /moPOS

Best of both worlds: From mobile to stationary POS

Internet-enabled devices such as smartphones and tablets are revolutionizing our everyday lives. The access to information at all times changes the way we shop and buy goods. As part of the omni-channel / seamless retailing approach retailers want to utilize mobile technology to improve their customer service and their customers' shopping experience. They require a mobile solution that covers a wide range of different use cases:

- a mobile information terminal for customer facing services and store administration tasks
- a mobile sales terminal for queue busting and checkout, incl. mobile "cashless" payments
- a mobile POS system that can also be used as a fully-featured stationary POS system

Best of both worlds

BEETLE /moPOS is the innovative mobile POS solution from Wincor Nixdorf that offers retailers an easy and pragmatic way to migrate their current Windows based stationary POS application to modern tablet technologies. It offers the required power, connectivity and functionality of a stationary POS system as well as the mobility to serve customers anywhere and anytime.

Flexible building blocks

BEETLE /moPOS is an innovative, modular and scalable hardware and middleware solution consisting of various building blocks that are designed to support the typical mobile use cases in modern retail stores.

Retail-hardened mobile devices

Dedicated 8.3" and 10.1" industrial tablets based on Intel's Bay Trail-T embedded processor technology that are pre-installed with a Microsoft Windows 8.1 operating system offer the advantage to run legacy Windows applications without the need to develop everything new. In addition retailers can enhance their software suite with modern apps. Alternatively the tablets can run an Android operating system and support traditional fat and cloud/ server-based POS solution architectures.

Stationary POS Device Hub

A stylish POS Device Hub encased in a customizable stainless steel housing enables the connection of traditional POS peripheral devices to standard PC and powered retail specific interfaces. It can be considered as a service point that can be shared between various tablets during the checkout process. The POS Device Hub is connected via Ethernet to the store network but always communicates via wireless technology with the tablet devices no matter whether they are locked in the Docking Unit or mobile.

Highly secure Docking Unit

An optional Docking Unit which can be integrated in the POS Device Hub securely locks the tablet during the checkout process. The locking mechanism protects the tablet against theft when hosted. The tablet release is motor-driven and controlled by the application. In case of an emergency, the tablet can also be released with a mechanical key. Integrated sensors can check the tablet presence and ID to verify the authorization. The Docking Unit also charges the battery of a locked tablet.

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Services

Wincor Nixdorf's fast, professional manufacturer service is available as an option for the BEETLE /moPOS plus as part of the complete solution offer. Tailored services enable the highest possible system availability and security worldwide due to standardized service processes and efficient remote management based on the Wincor Nixdorf eServices Platform®.

Middleware

The BEETLE /moPOS middleware software complies with the well-established Unified POS specification and is delivered with the POS Device Hub. An API with HTML5 and plug-in features supports 3rd party products and POS applications that are not familiar the Unified POS programming. The included intuitive Admin Server allows easy management of the relationship between the tablets and POS Device Hubs and supports 1:1, 1:n and m:n assignments.

Integrated mobile payment options

SmartBack options are adaptable peripheral devices that plug into the back side of the BEETLE /moPOS tablets to enhance the functionality.

The SmartBack MSR supports cashless transactions via debit or credit card. The necessary signature can be done electronically with a pen or finger on the touch screen of the tablet. The SmartBack PIN pad holds an EMV certified PIN pad device that accepts and encrypts the cardholder's personal identification number.

Outstanding reliability and long availability

The BEETLE /moPOS is especially immune to static discharge, RF interference and environmental influences (dust, fluids, temperature, etc.) and it has an excellent drop resistance. With the usage of an embedded chipset and processor, we ensure a long availability and service of the individual BEETLE /moPOS building blocks and protect existing investments.

TECHNICAL DATA

Processor
- Intel Z3745 Quad Core 1.8 GHz

Memory
- 2 GB

Storage
- 64 GB
- Up to 2 TB MicroSDXC cards

Display
Display size:	8.3" and 10.1"
Touch technology:	10-point capacitive multi-touch
Max. resolution:	1920x1200 pixels (WUXGA)

Connectivity
Tablet interfaces:	USB 2.0, 3.5mm audio
WLAN:	IEEE 802.11 a/b/g/n
Bluetooth:	4.0 + HS (class 2 or 1 up to 7 dBm)
WWAN:	3G / LTE option
NFC:	P2P, MIFARE, FeliCa
GPS:	GPS / GLONASS

Environment
- IP65 (dust and splash water resistant)
- Drop height: 1 m (1.8 m with jacket)

Sensors
- Camera: 8MP backside, 2MP frontside
- Ambient light sensor
- Proximity sensor
- Compass
- Gyroscope
- Accelerometer

Battery
Type:	removable Li-Po battery, 22.4 Wh
Operating time:	up to 10 hours
Charging:	via USB or Docking Unit

Interfaces of the POS Device Hub
- 2x RS232 (powered /non-powered)
- 4x USB 2.0
- PoweredUSB (2x12V / 1x 24V)
- LAN Ethernet 10/100/1000
- Cash drawer

Dimensions (W x D x H in inch)
	8.3" tablet	10.1" tablet
Width:	227.8 mm	269 mm
Height:	150.1 mm	180.7 mm
Depth:	12.5 mm	12.5 mm
Weight:	540 g	750 g