Versatile

Highest Performance

Maintenance Friendly

The POS-520 KeyPOS stands out due to the new, unparalleled and well-conceived Click&Slide, Dock&Lock docking concept for POS systems. The POS terminal can be easily released from the lockable stand like, for example, a tablet. This docking station is joined to the connectivity box with a clever 4-in-1 cable. Energy-efficient, economical and flexible are further attributes of this integrated POS system. This POS terminal meets all the requirements of a demanding retail environment.

Touch System POS-520 KeyPOS

1. **KeyPOS Click&Slide Docking Concept**

3. **External Connectivity Box with Dock&Lock**

3. **Easy Maintenance**

4. **Rich I/O Connections**
   2 x USB 3.0
   2 x USB 2.0
   4 x Powered USB
   2 x COM port

5. **Standalone Mode with Glass-Metal Stand**

6. **Kiosk Mode using VESA 100 Mounting Holes**

POS-520 KeyPOS -
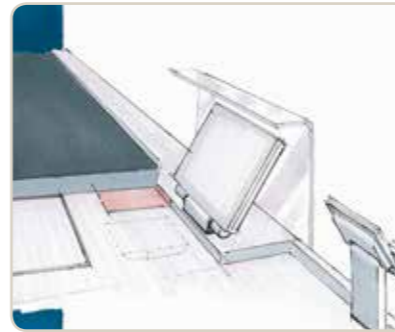## the chameleon for your point of sale

With omni-shoppers becoming more and more demanding, retailers all over the world face a common problem. How can they best support the needs and behaviours of their customers?

Today, highly integrated powerful software solutions allow a seamless process flow between both offline and online world, bringing the clicks and bricks together. Once a shopper is in the retail space however, what is the way to best operate those highly sophisticated solutions? Thin or thick? On which hardware/operating system platforms? With what kind of employee and customer interactions (touch screens, scanners, displays, printers, card readers, biometric readers, NFC, RFID, you name it)? How can all this be implemented and operated with a lean, efficient and optimal IT infrastructure? Is there a device that fits all requirements?

The chameleon concept

At 4POS we have been thinking about that for quite a while. Backed with decades of retail industry experience and with great POS terminals in our portfolio - targeted and tailored for different segments of the retail market - we came to the conclusion that yes, this is possible to achieve. A quick look to Mother Nature showed how the solution should be; adaptable like a chameleon!

State-of-the-art

Some key facts first: Beautiful deep black case with an IP54 sealed bezel-free 15" projected capacitive LCD touch screen and a built-in highly integrated very powerful computer system.

Designed and engineered for operation in a heavy-duty retail environment. State-of-the-art components with chipset and processors of Intel's latest Haswell Refresh platform. Up to 16GB RAM and with a SSD as default configuration. Perfect for demanding applications under Windows 7, 8.x or Linux, ready for Windows 10.

You may ask your-self, why do we need just another super POS? For a start the KeyPOS is not just another POS system, the keyPOS is the key to a cost effective IT environment at the point-of-sale. How is this possible?
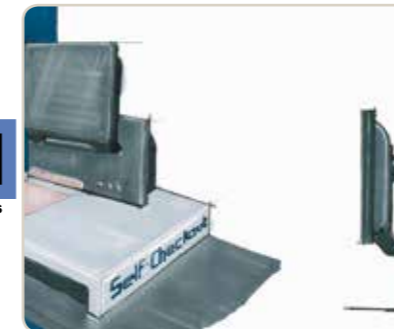
Best-of-breed

The KeyPOS has two very unique features; adaptability and maintenance-friendly. It adapts itself to the situation, environment and type of application. Whether this is a traditional manned checkout or self-checkout terminal, a standalone till on counter, an info kiosk or another customer interaction point, the brand new KeyPOS impresses through its adaptability. The KeyPOS achieves this by a special concept called "Chameleon", which combines the best of the two worlds Integrated & Modular resulting in a true hybrid. The docking station of the Main Unit is screwed to a special designed base stand, which can easily be mounted at the checkout or be used on counter with the established 4POS glass-metal stand. Without the base stand, the main unit can be mounted just anywhere using the VESA 100 mounting holes. LAN, second display, customer displays and USB-based peripherals can be connected to the main unit where cables are nicely covered. Then second part of the adaptability concept is that even though the KeyPOS is an integrated POS terminal, all major input/output devices (LAN, USB, COM, cash drawer) are connected using the so called Connectivity Box which also holds the switched power supply. Typically this unit is mounted somewhere invisible to the customer, just like a chameleon. The

Main Unit's docking station is joined to the Connectivity Box with a clever 4-in-1 cable.

Key to success

What about cost effectiveness and maintenance-friendliness? This starts at staging and installation, which is even before the start of operations. Core is a docking concept called Slide&Click, Dock&Lock where the drive bay is easily accessible. The Main Unit slides into its docking station and the power supply docks into the Connectivity Box.

Imagine that at staging all you need are the main unit barebones where you can insert pre-prepared drives into the drive bay and then proceed directly to all other setups required (e.g. software customising and tests). On premise the main unit's base stand and docking station plus the connectivity box, peripherals and cables can be mounted at the pace desired by your rollout team.

Latest at going live, all that is needed is to slide in the main unit and click the latches, dock and lock the power supply, start-up the system and away you go. During the following years of operation and in the event of a

hardware fault, either swapping the drive, the complete main unit or the power supply can solve most faults. These repair and maintenance tasks can all be done in just a couple of minutes (seconds if you're well trained) reducing downtimes to the absolute minimum. Efficient staging and installation, reduced downtimes and minimised maintenance are cost reducing features, which result in a significantly improved TCO. Additionally with a life-cycle guarantee of at least five years, this system is a loyal companion.

KeyPOS, your key to a successful IT infrastructure at your point-of-sale!

POS-520 KeyPOS

Model Name	POS-520 KeyPOS
Housing	
	Magnesium-Aluminium Die-casting housing
	VESA 100
Mainboard	
	D65
CPU	Intel Haswell Celeron G1820TE 2.2GHz / Intel Haswell Core i5-4590T 2.0/3.0GHz
Chipset / GPU	Intel Lynx Point PCH Q87 (AMT/RAID enabled), Intel HD Graphics
TPM	Supported
System Memory	2x DDR3L-1600 SO-DIMM up to 16GB
LCD Touch Panel	
LCD Size	15" LED Panel
Brightness	250 cd/m^2
Maximal Resolution	1024 x 768
Touch Screen Type	Projected Capazitive
Tilt Angle (Degree)	-25° ~ 50°
Storage	
Primary Device Bay	1 x 2.5" 7mm SATA III HDD bay
Secondary Device Bay	1 x SATA SSD optional
Main Unit External I/O Ports	
USB	2 x USB 2.0 + 1 x USB 3.0
Serlial/COM	via Connectivity Box
LAN	1 x RJ-45 (10/100/1000 Mbit)
VGA out	1 x D-Sub (15 pin) with Power over VGA (activated via BIOS) + 1 x mini Display Port
Cash Drawer	via Connectivity Box
Speaker	2 x 2W
Audio	via Connectivity Box
Connectivity Box External I/O Ports	
USB	2 x USB 2.0 + 2 x USB 3.0
Powered USB	1 x USB 5V + 2 x USB 12V + 1 x USB 24V
Serial/COM	2 x COM ports with RJ-45 with 5V/12 power selectable by BIOS)
LAN	1 x RJ-45 (10/100/1000 Mbit)
Cash Drawer	1 x RJ-11 with 12V or 24V
Audio	1 x Audio out
Main	4 in 1 Adapter (SCSI, DC, LAN, USB 3.0)
Control / Power	
USB	1 with Power LED
Powered USB	Internal power adapter 180W/19V
Environment	
EMC & Safety	FCC, Class A, CE, LVD
Operating Temperature	5° C ~ 40 C
IP	IP54 sealed front panel with touch screen
Options	
Second Display	8.4" TFT LCD / VFD Display (2x20, 5mm character) / 8" + 10.4" TFT LCD Stand Alone Display
Wireless Communication	802.11 b/g/n mini PCI-E Wireless LAN Card / 3G/LTE mini PCI-E Card
Magnetic Card Reader	3 Tracks MSR (USB)
Dimension (W x D x H)	
Main Unit / Connectivity Box	362 x 74 x 317 mm / 335 x 62 x 337 mm
Weight	
Main Unit / Connectivity Box	8 kg / 2 kg
Colour	
	Black
OS Support	
	Windows 7, POSReady 7, Windows® Embedded 8.1 Industrial Pro retail, Windows® Embedded 8.1 Industry Pro, Linux

Notes: Specifications are subject to change without notice. Product photos and pictures are for illustration purposes only and may differ from the real product's appearance.

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