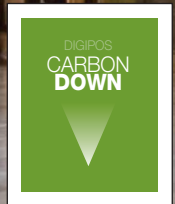


The DigiPoS Retail Core





The Retail Core

“15 watts for the whole of the system unit, just 25% of the power used for a low wattage bulb”



The Facts

The DigiPoS Retail Core and Retail Core Extender system units are designed for low cost deployment across the Retail estate. They deliver fully capable plug and play systems with optimum performance and low maintenance.

Over years of research and development experience, DigiPoS has recognized and met the varying needs of Retailers. Whether from higher end systems such as the award-winning Retail Blade through to the new DigiPoS Retail Core and Extender – DigiPoS continues to innovate to bring value to Retailers.

Packed with the functionality, the Retail Core/Extender delivers performance when and where it is needed – and in a remarkably small space. Using Intel technology the low cost systems also provide a MTBF average of over 300,000 hours

Providing Choice

For many years Retailers have faced limited choice in the PoS arena – particularly at the entry level. There was little customized design for Retail. It may have even been necessary to consider a conventional PC and then compromise on true Retail functionality.

The Retail Core directly addresses the historical issue of compromise. DigiPoS Retail specific design has brought together high performance, reliability and direct low entry cost in one flexible system.

For peripheral heavy stations across the estate, the plug and play Retail Core Extender can be installed, providing the most ports in the industry. This way technology is deployed only where required, thus delivering outstanding ROI.

The DigiPoS Retail Core was designed exclusively with retail in mind. As always, robust components and rigorous quality control were major considerations for the rigorous environment that PoS systems are subjected to. Years of operational support for Retailers in the field - across tens of thousands of stores has allowed DigiPoS to identify the key areas that need focussed design consideration to take account of the circumstances POS systems will encounter.

Size Matters

Additional design priority was given to the need to reduce size, optimizing counter and surrounding space. This was achieved with the complete Core system unit measuring only 9.25" x 8.25" x 2.375".

No Moving Parts

Compacting the performance technology also led to new innovation - by ensuring the unit could perform exceptionally without a fan - the single largest point of system weakness.



With Extender Technology

Sealed

Finally, this superior technology is then encased within an entirely sealed unit with no moving parts - reducing issues such as dirt and dust which again have such a negative effect on system components.

DigiPoS: Carbon Down

From hundreds of conversations with leading retailers - it was also clear that an additional feature of the Retail Core would need to address the historical issue of power consumption, from both the perspective of environmental responsibility and consideration of operating cost for the PoS system itself. The cumulative operating cost of multiple PoS systems can be considerable when taking into account the number of potential units and their workload in a typical day. Retailers clearly have an opportunity to demonstrate the steps they are taking to reduce carbon footprint and overall use of energy. It was essential however, to ensure that performance was not compromised for energy savings. The Retail Core uses 15 watts for the whole of the system unit, which is just 25% of the power used of a low wattage light bulb.

In terms of performance, size, robustness, power consumption and specification, the compact DigiPoS Retail Core with optional Extender Technology has set a new standard for the Retail technology industry. DigiPoS award winning technology is again positioned to lead the industry ensuring that high, retail specific performance can be achieved without compromise or inappropriate expense.

Features

The Retail Core solution addresses a new range of issues important to Retailers by providing:

- **Small form factor.** The individual unit measures 9.25" x 8.25" x 2.375".
- **Sealed.** Operation as a completely sealed unit with no moving parts.
- **Fanless.** All heat is exchanged through innovative external heat sync dispersal with no moving parts.
- **Locking I/O ports.** For secure connectivity.
- **Low cost, modular PSU.** For easy swap out as and when required.
- **Complete flexibility.** Via the addition of Retail specific features in the Retail Core Extender.
- **Energy Efficient.** Only 15 Watt Power Consumption.

The DigiPoS
Retail Core
With Add On
Extender





The DigiPoS Retail Core

Electronic Specifications for Retail Core D510-S & 510-C

PROCESSOR	Intel® Pineview Atom D510 1.6GHz Dual Core
MAIN MEMORY	2 x DDR2 SODIMM Sockets (4GB Max)
HARD DISK	1 x 2.5" SATA HDD (160GB min) or SSD
COMPACT FLASH	Optional
SYSTEM CHIPSET	Intel® ICH8M
GRAPHICS	Intel® GMA 3150
ETHERNET	10/100/1000 Autosensing
AUDIO	HD Audio with Line In/Line Out/Mic In
POWER ADAPTOR	External 200W Fanless
POWER CONSUMPTION	18W
DIMENSIONS	9.25" x 8.25" x 2.375" (235mm x 210mm x 60mm)
SAFETY	CE, FCC, TÜV, UL, CCC
APPROVALS	Petroleum Approved

IO Specifications	Retail Core D510-S	Retail Core D510-C	CORE I/O EXTENDER
RS232	3 Non-Powered	4 Power Selectable (0, 5, 12, 24V)	7 x Powered Serial Ports
USB 2.0	4 x Standard USB 2.0	4 x Standard USB 2.0	
POWERED USB	1 x 12V & 1 x 24V	2 x 12V & 1 x 24V	1 x 24V & 7 x 12V
LAN	1 x RJ45	1 x RJ45	
PS2	2 x PS2	2 x PS2	
VIDEO	1 x VGA	2 x VGA	
CASH DRAWER	1 x RJ11	1 x RJ11	
HOSIDEN POWER	None	1 x 24V Hosiden Power Out	1 x 24V Hosiden Power Out

SAFETY STANDARDS        **RoHS**

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