

DigiPoS Retail Blade





Award-winning Blade Technology

The DigiPoS Retail Blade enables Retailers to maintain compatibility of configurations and installations while extending the performing life of their PoS investments beyond a decade.



DigiPoS understands the nature of Retailing and its interaction with technology and delivers solutions that allow retailers to focus on their own core business objectives.

With the Retail Blade, Retailers can place the precise level of performance needed – right where it is needed, and if requirements change, the Retail Blade can be easily adapted to the new paradigm.

The principle behind Blade Technology is efficiency. The Retail Blade host becomes the foundation of the system and a separate Retail Blade motherboard is installed in the host. As required the motherboard can be removed and maintained or upgraded to the latest performance Blade.

The simple service design decreases downtime while the increase in return on investment and elimination of the 'Rip and Replace' cycle ensures technology purchased today does not become redundant.

Features

- Decreases downtime - simple service design, only 60 seconds to upgrade/replace
- Easy swap motherboard, HDD and power supply
- Latest Intel technology with chipset revision guarantee
- Eliminates system "rip and replace"
- Diagnostics reduces engineering time
- External fanless power supply for higher reliability
- Huge range of devices can be connected and powered by the Blade
- Disk on Module flash drive for critical data storage
- Can be side-mounted, under-counter or floor mounted
- Three year warranty on the Blade, 10 year warranty on the host



The DigiPoS Quantum Blade

The DigiPoS Quantum Blade: The newest addition of the Blade range brings benefits in reduced energy consumption as well sustainability.

DigiPoS has extended its range of Retail Blade point of sale systems with the new Quantum Blade. Utilizing the latest Intel Atom 330 processor technology brings substantial benefits in reduced power consumption of just 38 watts.

The Quantum Blade offers at least a 60% reduction in power consumption when compared to other POS systems or desktop PC's. The cost savings benefit, coupled with a substantially reduced carbon footprint enable high ROI, as well as positions you as a sustainable retailer.

Like all DigiPoS Retail Blade products, the Quantum offers all the advantages of easy installation, low failure rate and unparalleled serviceability. Existing systems can be upgraded in seconds without the need for tools, technicians or removal of connected devices. With future-proofed technology in mind, DigiPoS continues to address the changing requirements for retailers, while reducing total cost of ownership.



Additional features of the Quantum Blade

- Consumes at least 60% less energy than previous Retail Blade systems saving you up to \$57* per system per year
- Reduced carbon footprint
- Latest Intel technology with a 30% performance increase over the Retail Blade 4 processor
- Further reduction in total cost of ownership
- Improved heat dissipation
- Solid State Disk on Module (DOM) flash drive for added data storage
- Upgrade for an additional 2 years warranty on existing Retail Blade system

DigiPoS Carbon Down

DigiPoS customers are already seeing savings of thousands of dollars per year. Over time, the DigiPoS carbon down products effectively pay for themselves in cost savings.



How much can you save with the DigiPoS Quantum Blade?

Comparing the Quantum Blade with a Retail Blade 2.8GHz Pentium

No. Units	Cost Savings \$/year*	Co2 Savings Tons/year**
10	\$575	2.60
100	\$5,750	25.99
500	\$28,752	129.97
1000	\$57,505	259.94

Comparing the Quantum Blade with a standard Intel® Core2 Duo PC

No. Units	Cost Savings \$/year*	Co2 Savings Tons/year**
10	\$456	2.06
100	\$4,563	20.63
500	\$22,819	103.15
1000	\$45,639	206.30

This table compares the two systems running on full power 24 hours a day 365 days a year. **DigiPoS Quantum Blade** consumes 38 Watts, **DigiPoS Retail Blade 2.4GHz Celeron** consumes 101 Watts and the **Intel® Core2 Duo** consumes 88 Watts.

*Energy cost calculated at \$0.104 US National Average.

**Figures used are benchmarked against the quoted DEFRA conversion factor "Guidelines to DEFRA's GHG conversion factors for company reporting"



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Characteristics of the Retail Blade

OPTIONS	RB4	RB7	Quantum
Processor	Intel® P4 2.8 GHz	Intel® Core 2 Duo 2.13GHz	Intel Atom 330 1.6GHz Dual Core
Main Memory	Up to 2GB	Up to 4GB	Up to 4GB
Hard Disk	1 x SATA / 2 x SATA	1 x SATA / 2 x SATA	2 x SATA
Compact Flash	YES (option)	YES (option)	SATA DOM (option)
Video	64MB	64MB Intel® GMA 3000 / Dual Video Out	Intel® GMA 950 / Dual Video Out
System Chipset	North Bridge: Intel® 865GV South Bridge: Intel® ICH5	North Bridge: Intel® 965GV South Bridge: Intel® ICH8	North Bridge: Intel® 945GC South Bridge: Intel® ICH 7 or ICH7R RAID 0/1 Mirror function (Optional)
External Fanless PSU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated RAID Option	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3-Year Warranty	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Characteristics of the Host

Serial Port	COM1, COM2, COM3, COM4 on board IRQ Selector by BIOS setup (Jumper-less) DC 0/5/12/24v output on pin 9 by jumper selector
USB Ports	4 powered USB 2.0 Ports (1 x 24v, 2 x 12v, 1 x 5v) each output voltage protected using Polyfuse® technology 2 x easy access covered front USB ports
CD-ROM	Slim 24x CD-ROM/CD-RW/DVD (Optional)
Extensions PCI IDE	On board PCI bus master IDE1/2 Ultra DMA 66/100/133 support
Serial ATA	2 x S-ATA Hard Disks
Expansion Slots	RB7: 1 x PCI & 1 x PCIe RB4 / Quantum: 2 x PCI

Cash Drawer Ports	2 x RJ12 Cash drawer ports with status sensor
Ethernet	RB7: Intel® 82562V Ethernet 1 GB RB4 / Quantum: Intel® 82562GZ Ethernet 10/100
Audio Ports	AC97 CODEC on board with Line In/Line Out/MIC In
Keyboard/Mouse	PS/2
Graphics	RB4: Output VGA 15 Pin D-Sub connector x 1 RB7 / Quantum: Output VGA 15 Pin D-Sub connector x 2
LCD Power Out	2 x 12v DC dipole
Dimensions	10.75" x 13" x 5" (275 mm(W) x 330 mm(L) x 125 mm(H))

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