

The DigiPoS Quantum Blade



Introducing the latest addition to the DigiPoS Retail Blade range: The DigiPoS Quantum Blade.

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 33 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.

Continuing on the DigiPoS Retail Blade range, the Quantum offers all the advantages of easy installation, and low maintenance. Existing systems can be upgraded in seconds without the need for tools, technicians or even 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.

Features

- Low energy consumption, resulting in reduced energy costs and a smaller carbon footprint
- 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 and diagnostics
- Can be side-mounted, under-counter or floor mounted



The DigiPoS Quantum Blade

CPU	Intel Atom 330 / 1.6GHz Dual Core low power CPU (System Bus 667MHz)
Main Memory	240-Pin DDR2 SDRAM Socket x 2 up to 4 GB. (DDR 667 FSB)
System Chip Set	North Bridge: Intel 945GC, South Bridge: Intel ICH 7 or ICH7R RAID 0 / 1 Mirror function optional
BIOS	Award BIOS with enhanced ACPI 1.0 / PnP / APM / DMI / ESCD / PCI bus 2.1 / On Now / DRAM ECC
AGP 3D Graphics Port	Intel® Graphics Media Accelerator 950 Core. Shared memory with Intel DVMT 3.0 technology supports up to 224MB of video memory. For Secondary analog VGA output (dual independent display supported): CH7317A RGB SDVO DAC. Remove the Printer Port function on the Host for release signal PIN for 2ND Analog VGA output. RB-865 version upgrade: 2nd VGA output from adapter cable. Atom 330: Dual VGA Output connectors on rear panel (HD DB-15 Connector)
Parallel Port	Parallel Port connector on M/B reserved for future application (Bracket-Out)
Serial Port	IRQ selectable by BIOS setup (Jumper-less) & COM1 ~COM4 with DC 0/5/12/24V output on pin 9 by jumper selector. COM 5/COM 6 PIN Header reserved on M/B for future applications.
Optical Device	Slim Type CD ROM / CD R/W / DVD ROM / COMBO Optical Device. Only 1 IDE Port for 945GC
USB	2 x Standard USB 2.0 ports at front, 1 x 5V Powered USB at rear, 2 x 12V Powered USB at Rear, 1 x 24V Powered USB at Rear, 2 x port reserved on board for future applications.
Enhance PCI IDE	On board PCI Bus master IDE 0. support Ultra DMA/66/100/133. Support 2 x IDE device. (Master: DVD ROM Optical Device)
Serial ATA Port	2 x S-ATA Port (On rear upper I/O Board for HDD and Optical device). 2 x S-ATA port reserved on M/B available for future apps.
Rack-able HDD	1 x 3.5" HDD Rack on Host. (Option for 2nd 3.5" HDD Rack on Host.)
Thermal Solution	1 x low noise 40x40x10 mm fan (Two Ball) with heat-sink and speed control / failure alarm function for North Bridge. (Side air flow) Atom 330 CPU: 8W , 945GC North Bridge Chip: 21W , ICH7R South Bridge Chip : 3.3W
Expansion Slots	2 x PCI Slot on board
Solid State Storage	S-ATA Disk on Module (DoM) flash drive
Cash Drawer Port	2 x Cash Drawer Port (DC 12 or 24V) with status Sensor
External Power Supply	Fully sealed DC 24V / 200W External Power Adapter.
AC Power Source	AC 90 to 264 V Full Range.
DC to ATX Power Inverter	On Board 150W DC24V to ATX power inverter
Power On/Off Control	ATX power trigger button on front panel.
PCI LAN Port	Intel 82562GZ---10 / 100 MBPS Ethernet Core on Board Solution: Compliant with current Intel RB 865 Version.
Audio Port	AC97 CODEC on board with Line In/ Line Out / MIC In connector.
Keyboard & Mouse Ports	PS/2
System Size	10.75" x 13" x 5" (275 mm(W) x 330 mm(L) x 125 mm(H))
S/W Compatibility	DOS/OS2 V2.1/SCO XENIX: V2.3.2/SCO UNIX V3.2/NOVELL/ WIN 3.1/ 95/98/2000/XP/NT4.0. / Linux / WePoS / PosReady / Win 7
Operation/Storage Temp	0° - 40° / -25° - 70°
Safety Certification	CE / FCC(B) / UL / CUL as standard , CB / 3C / C-Tick as required.

DigiPoS Store Solutions

1185 Corporate Drive, Burlington, Ontario L7L 5V5 | T: +1 905 319 9750 | E: sales@digipos-solutions.com
www.digipos-solutions.com

