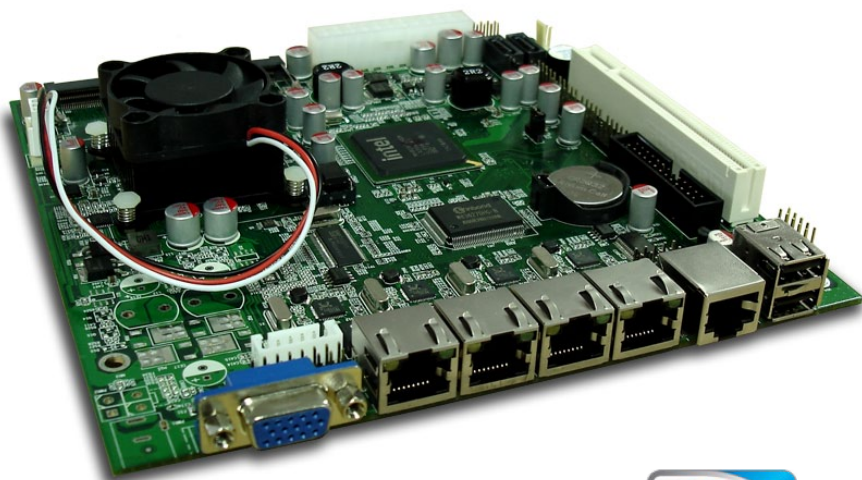


# GoldenBeach-525S4

x86 Embedded Platform based on Intel® Atom™ Processor D525



## Hardware

## Product

## Highlight

- Intel® Atom™ processor D525
- Intel® ICH8M Chipset
- Super I/O with Hardware Monitor
- Four Gigabit Ethernet controllers and allow one bypass pair
- One IDE CF slot
- Support Watchdog to prevent system failure
- Mini ITX, 170 x 170 mm

Features	Description	
Processor System	CPU	Intel® Atom™ Processor D525 (Dual CORE)
	Clock Speed	1.8GHz
	FSB	800MHz
	CLK Chip	ICS9LPRS365
	System Chipset	Intel® ICH8M Chipset
Memory	BIOS	SPI Flash 2MB SST25VF016B AMI BIOS
	Type	DDR3-800
	Capacity	Up to 2GB Max.
	Socket	1 x DDR3 SODIMM slot
VGA / LVDS		Integrated VGA 2x8pin header
Super I/O Chip		1 x WINBOND W83627DHG-B Super IO
Serial ATA		3 x SATA2 connector (allow up to Max 2), one 22pin Right Angle connector and two standard 7-pin connectors.
Compact Flash		1 x CF card connector (IDE)
Serial Port		2 x COM (one RJ45 COM RS232, one 2x5pin header, four by F81216D extension) Optional
PCI		1 x PCI slot (can extend to 3 PCI)
Keyboard & Mouse		1 x 6pin (2.54mm) header for keyboard and mouse
USB		8 x USB2.0 ports, two stacked ports, two 2x5pin (2.54mm)
HW Monitor		Integrated in the Super I/O chip, support Watchdog
GPIO		1 x GPIO 2x5pin header
Audio		ALC662, 2x5pin header, LINE-OUT, MIC, LINE-IN (optional)
Ethernet		4 x RTL 8111E GbE Controller, support 1 pair ByPass (optional)
RTC		Support Real Time Clock
Cooling Fans		Two 3-pin power connectors for CPU and System Fan
Power	Connector	1 x 20PIN ATX Power Connector or 12V DC Jack
Environment	Operating Temp.	0°C ~ +70°C
Board	Size	170mm x 170mm

## Contact Information

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Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

