

# Relio Industrial Computer

Fanless 2.2Ghz Intel® Core™2 Duo T7500, 2 GB Ram



## Features

- > Solid-state operation with no fans or other moving parts
- > 2.5" internal drive bay is perfect for optional solid-state hard drives
- > Two expansion slots support one PCIe X16 and one PCI card
- > Two 10/100/1000BaseT RJ45 (Intel 82566DM, 82573V) Gigabit Ethernet ports with status LEDs
- > Four DB9M serial ports (COM1 = RS-232/422/485, COM2,3,4 = RS-232)
- > Six USB 2.0 ports
- > Two IEEE-1394 "FireWire" ports
- > Audio line out and microphone in
- > Separate PS/2 mouse and keyboard ports

## Embedded computer power with a wealth of I/O features

The Relio R5220 is an embedded computer powered by a 2.2GHz Intel® Core™2 Duo CPU that is designed to run fanless up to 45°C. The compact chassis has expansion slots for one PCI Express X16 and one full-height PCI card. The system includes 2GB of DDR2 667MHz RAM and is ideal for harsh, industrial environments.

An optional 2.5" solid-state SATA hard drive can be integrated and preloaded with Microsoft Windows or Windows Embedded operating systems. Linux is also supported. Operating from solid-state hard drive, the fanless design offers the ultimate in reliability — no moving parts.

The R5220 offers a wealth of standard I/O features including dual Gigabit Ethernet, six USB 2.0 ports, four serial ports, and VGA video. The system includes an external power supply and US power cord that accepts 100-240V AC input and outputs 24VDC @ 120W. The metal enclosure allows for versatile mounting to walls, under counters, and on tabletops.

## Specifications

Processor	2.2Ghz Intel Core 2 Duo
Chipset	Intel 965GME
BIOS	Phoenix-Award
Max RAM	4GB DDR2 533/667 MHz Two 240-Pin DIMM Slots
Max Video	QXGA (2048x1526 @ 75 Hz)
Power	24VDC (Max 120W)
Operating Temperature Range *	10°C — +40°C
Storage Temperature Range	-20°C — + 80°C
Humidity Range	10% - 90% R.H.
Dimensions	9.5" (L) x 7.2" (W) x 5.5" (H)

\* Call for extended temperature ranges

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# PCI and PCIe Solutions

## PCI Express Serial Boards

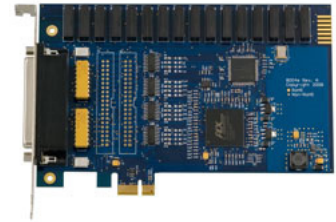
Sealevel PCI Express serial boards are designed for computers with X1 PCI Express slots, and are fully compatible with X2, X4, X8, X16, and X32 PCI Express slots. The boards utilize serial UARTs with 128-byte FIFOs for maximum reliability in data intensive applications.



Software for standard PCI boards will also work with PCI Express boards

## PCI Express Digital I/O

Sealevel PCI Express digital I/O boards are designed for computers with X1 PCI Express slots and are compatible with any PCI Express slot. Digital I/O boards are currently available with optically isolated inputs and Reed relay outputs.



Optically isolated inputs protect the PC from voltage spikes common to industrial environments. Reed relay outputs provide reliable, long-life switch closures suitable for low current applications.

## PCI Serial Boards

Sealevel's PCI bus serial boards offer the widest choice of I/O connectivity available. Products include RS-232, RS-422 and RS-485 solutions. Our PCI boards are available with a wide range of accessories to make installation easy.



Sealevel Low Profile Universal Bus PCI boards are designed for many of today's newer computers that do not include standard size PCI slots.

## PCI Digital I/O

Sealevel low profile PCI digital I/O boards meet the requirement for the MD1 low profile specification and feature Universal Bus (3.3V and 5V) for compatibility with both new and legacy computer systems.



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