

Relio™ R2

Solid-State, Compact Industrial Computer



Features

- > Intel dual-core i7, i3 or Atom processor
- > Up to 16GB RAM
- > Dual Gigabit Ethernet
- > 4 x USB 2.0 ports with locking SeaLATCH connectors
- > 2 x RS-232 serial ports
- > 1 x RS-485 serial port
- > DisplayPort video
- > HD audio
- > PCI Express half-size Mini Card expansion slot
- > 18-36 VDC operation
- > Compatible with Windows or Linux operating systems
- > Solid-state operation from 0°C - 50°C
- > Optional 802.11 a/g/n wireless interface

The Relio R2 solid-state industrial computer is designed for applications requiring powerful processing, a small footprint, high reliability, and a long product life.

Building on the advantages of COM Express architecture, the R2 features up to 16GB of RAM and choice of Intel dual-core i7, i3, or Atom processor. The system operates from 18-36 VDC and offers low power consumption while operating fanless over a wide temperature range of 0 - 50°C. Standard features include dual Gigabit Ethernet, four SeaLATCH locking USB 2.0 ports, three serial ports, DisplayPort video and HD audio interfaces. The 802.11 a/g/n dual band wireless network option enables convenient connectivity at data rates up to 300 Mbps.



The R2 runs from ultra-reliable 2.5" SATA II solid-state disk (SSD) that can be preloaded with Microsoft Windows or Linux operating systems. Included brackets allow convenient mounting to any flat surface including tabletops, under counters and to walls. The system is perfect for harsh or commercial environments including military, transportation, process control, and test and measurement applications.

The R2's COM Express design allows easy technology migration as processor technology evolves. As a result, OEMs can design with the R2 now while refreshing the performance over the life time of their product.

SEALEVEL®

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Relio™ R2

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Specifications

Processor Choices

- > 1.7 GHz Intel i7-3517UE Dual Core
- > 1.6 GHz Intel i3-3217UE Dual Core
- > 1.8 GHz Intel Atom N2800 Dual Core

Memory

- > ECC DDR3 1333 MHz, 16GB Max (i7, i3)
- > ECC DDR3 1066 MHz, 4GB Max (Atom)

Video

- > DisplayPort 1.1
- > 2048 x 1536 @ 60Hz (i7, i3)
- > 1920 x 1200 @ 60Hz (Atom)

Communications

- > Dual Gigabit Ethernet
- > 4 x USB 2.0 with Locking SeaLATCH Connectors
- > 2 x RS-232 Ports
- > 1 x RS-485 Port
- > Optional 802.11 a/g/n Wireless Interface

Expansion

- > PCI Express Half-Size Mini Card

Power

- > 18 - 36 VDC Input

Environmental

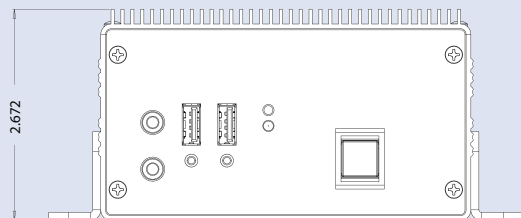
- > Operating Temperature Range: 0°C - 50°C
- > Storage Temperature Range: -20°C - 80°C

Physical Dimensions

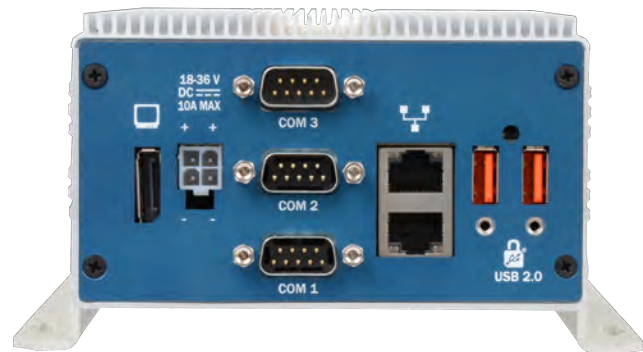
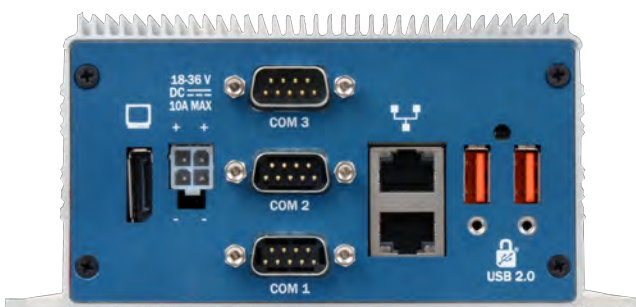
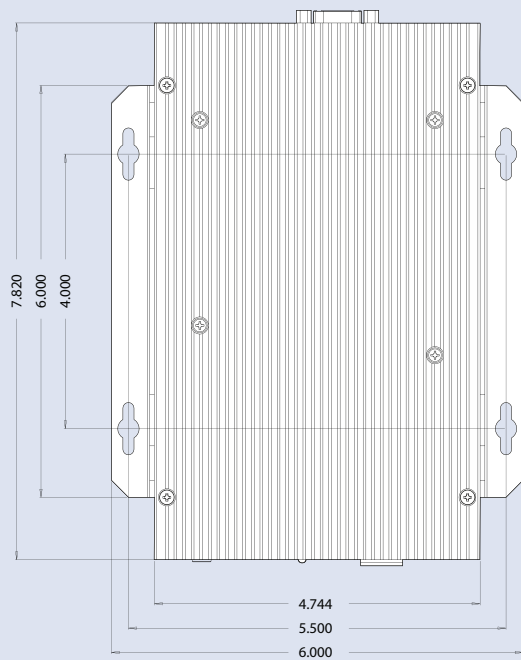
- > 7.82" (L) x 4.75" (W) x 2.67" (H)

Relio R2 Dimensions

Relio R2 Front View



Relio R2 Top View



Versatile Mounting Options

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