Compact Computer Designed for Rugged Environments

Sealevel's Relio R1420 [1] is a small, rugged embedded computer that operates without fans or other moving parts for the most reliable operation possible. Designed for harsh industrial and commercial environments, the Relio R1420 is perfect for mobile applications, embedded control and test & measurement.

The Relio R1420 offers a wealth of standard I/O including dual Gigabit Ethernet, six USB 2.0 ports, four serial ports, 8-bit GPIO, audio output and VGA video. Powered by a 1.6GHz Intel Atom N450 CPU, the Relio R1420 includes 2GB RAM and offers very low power consumption while operating fanless up to 50?C ambient.

Users can choose to operate from CompactFlash or a removable 2.5" SATA solid-state disk. Popular operating system options include 32-bit and 64-bit versions of Windows 7 Professional. Linux is also supported.

The R1420 is powered from a 9-30VDC source or select from a variety of Sealevel power supply [2] options. The system is housed in a compact, rugged metal enclosure with the same footprint as Sealevel SeaI/O modules. Optional brackets allow for versatile mounting to walls, under counters, on tabletops or even to DIN rails.

Local or remote I/O expansion is available using Sealevel SeaI/O data acquisition [3] modules. Choose from a variety of I/O configurations including optically isolated inputs, Reed and Form C relay outputs, TTL interfaces, A/D and D/A. The Relio R1420 connects to SeaI/O modules via the system's RJ45 pass-through port and communicates using RS-485 Modbus RTU.

Features include:

- Powerful 1.6GHz Intel Atom N450 processor

- 2GB DDR2 667MHz RAM
- Integrated Intel Gen 3.5+ GFX Core graphics supports SXGA resolution up to 1400x1050
- Operation from CompactFlash or removable Solid State Hard Drive

with no fans or other moving parts

- Standard I/O features include two Gigabit Ethernet ports, six USB 2.0 ports, 8-bit GPIO and four serial ports
- 0°C – 50°C wide operating temperature range
- Input power range of 9-30VDC

Compact footprint and rugged metal case are ideal for industrial applications

The Relio R1420 is available immediately from stock with prices starting at $999.00. Extended temperature motherboards, hard drives and other options are available. Call today to discuss a solution for your specific application.

For more information, visit www.sealevel.com [4] or call +1 864-843-4343.

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Links:
[1] http://www.sealevel.com/store/r1420
[2] http://www.sealevel.com/store/accessories/power-supplies.html
[3] http://www.sealevel.com/store/i-o/distributed-i-o.html
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