

New RISC Embedded Computer Offers Unmatched I/O and Windows CE 6.0

For Immediate Release
Liberty, South Carolina USA
July 15, 2009



PRODUCT HIGHLIGHTS

- Atmel 200MHz ARM9 RISC Processor
- LCD and Backlight Controller
- Resistive Touchscreen Controller
- 10/100 BaseT Ethernet
- One USB Device and Two USB Host Ports
- CAN Bus 2.0B Interface
- Serial, Digital, and Analog I/O
- Low Power Requirements
- -40°C - +85°C Operating Temperature Range
- Includes Windows CE 6.0 BSP Binary

Delivering RISC computing power in a compact, rugged package, the Relio R9 is the perfect platform for embedded applications requiring small size, wide operating temperature range, and flexible I/O connectivity.

Packed with a wealth of I/O features and using the latest embedded software environment, the system is based on the Atmel ARM926EJ-S processor boasting a 32-bit ARM instruction set for maximum performance. Available with up to 256MB RAM and 256MB Flash memory, the unmatched I/O features of the Relio R9 extend the possible uses beyond traditional ARM applications. Standard I/O includes Ethernet, serial, USB, CAN Bus, digital and analog interface. For local or remote I/O expansion, the Relio R9 connects to Sealevel SeaI/O modules via the dedicated RS-485 expansion port and communicates via RS-485 Modbus RTU.

To provide the fastest time to market, the Windows CE 6.0 BSP binary and low-level drivers for system I/O are included. Additionally, the R9 software package is equipped with the Sealevel Talos I/O Framework, which offers a high-level object-oriented .NET Compact Framework (CF) device interface. This interface provides an I/O point abstraction layer with built-in support for the specific needs of analog and digital I/O such as gain control and debouncing.

The Relio R9 is housed in a rugged, small enclosure suitable for mounting almost anywhere and is rated for a full -40°C - +85°C operating temperature range.

The Relio R9 is ideal for broadcast monitoring, communications, infrastructure management and security applications. For applications with specialized hardware requirements, system



designers can use the Relio R9 as a platform for application development while a customized target system is designed for specific application requirements.

Sealevel Systems, founded in 1986, provides industrial computing solutions in addition to a variety of communications and I/O products including PCI Bus cards, Ethernet serial servers, USB serial adapters, PCMCIA cards, and PC/104 modules. The product line includes multi-port RS-232, RS-422/485, RS-232/422/485 multi-interface high-speed sync/async, and digital/relay I/O.

For more information, visit use in **booth # 2437** or online at www.sealevel.com.

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