

## Aitech's ARM-Based RIO-NG

WDD Staff



[Aitech Defense Systems Inc.](#) [1]

(Chatsworth, CA) now offers the RIO-NG, a modular digital processing platform that can be easily customized for a variety of high-reliability military, industrial, and space applications that require ultra-low power and a compact form factor. Features include:

- Distributed processing and parallel task completion principles.
- Multiple concurrent DMA channels.
- Parallel system-on-chip peripherals.
- A high efficiency CPU core.
- A common digital processing platform that provides standard functionality to handle all aspects of data acquisition.
- Personality Modules can be added to manage such process control functions as A/D and D/A conversion, RTD sensors, and LVDT drives and high current interfaces.
- Less than 300 mW of power.
- Up to 128 digital channels.
- A variety of built-in digital bus and analog interfaces.
- Vibration up to 40 G RMS at 11 mS.
- 1 MB of built-in on-chip Flash memory and 512 kB of on-chip RAM.

For more information visit <http://www.rugged.com> [1] or email [sales@rugged.com](mailto:sales@rugged.com) [2].

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**Links:**

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