RGIU

**Rockets and Guns
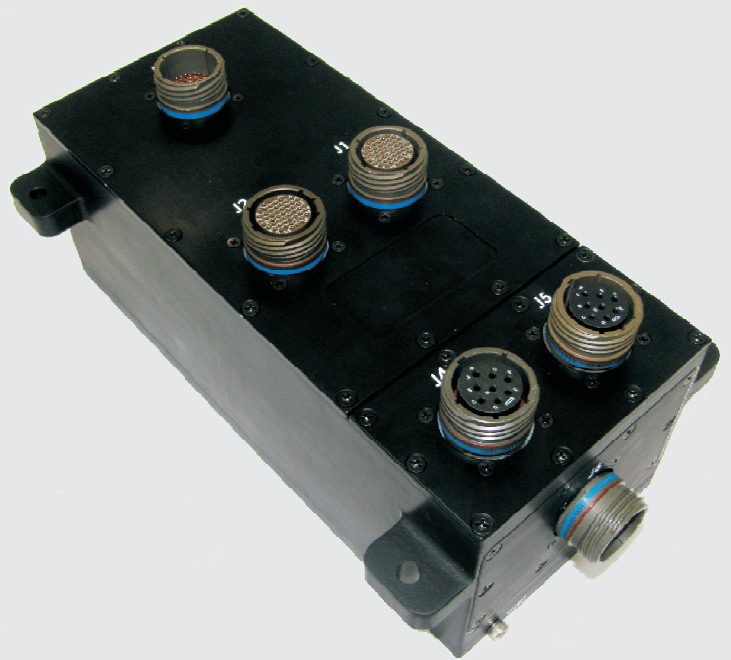Interface Unit**

NIRON
Systems & Projects

RGIU
Rockets and Guns Interface Unit

The RGIU is a rugged digital controller designed to support rocket launchers such as M260/M261 and various machine guns. The RGIU can be adapted to multiple solutions for a wide array of avionics applications where rapid implementation, easy integration and high performance along with low weight and volume are required.

As an advanced avionics Line Replaceable Unit (LRU), the RGIU can be adapted to provide interfaces for a variety of applications on aerial vehicles. The RGIU's rugged construction allows for safe operation in the hard environment associated with its location in the weapon pylons.

Typical applications

- The RGIU replaces the two legacy units - RIU and EU on helicopters
- Capable to control two rocket launchere or two guns or one rocket launcher and one gun at the same time
- Store and weapon release

Standard interfaces

The RGIU supports both MIL-STD and civil communications such as MIL-STD-1553B, RS422 and more. The I/O configuration can be tailored to customer's specific application and requirements

Single and dual channel units are available

Performance highlights

- Stringent armament safety per MIL-STD-882
- Low power consumption
- Low weight, modular and flexible design
- Complete Built-In-Test (BIT)

Technical Specifications

Qualification…....................MIL-STD-810F

EMI/RFI………..................MIL-STD-461E

Power Supply per MIL-STD-704A

Operational service life …Over 50,000 hours

Useful service life………..Over 25 years

About Niron Systems & Projects

Niron Systems & Projects is a recognized provider of sophisticated technological solutions for defense and Homeland Security applications. With many years of accumulated experience backing a strong command of the most advanced modern technologies, company engineers specialize in the development and production of integrated solutions for a variety of manned and unmanned airborne, ground, and surface naval platforms. These include control systems for weapon delivery and Chaff & Flare Dispensing Systems; mission and communication computers; display and switching units; hardware and software solutions for real-time systems.

The company also provides unique turnkey project management and ongoing customer support services for non-standard technological programs requiring close professional accompaniment.

Niron Systems & Projects is certified to ISO 9001:2008 and ISO 90003:2004.

Contact us

Mailing address: 5A Giborei Israel St., P.O.Box 8546 .Netania 42504 ,Israel
Tel: +972 9 7407626, Fax: +972 9 8651510. E-mail: niron.marketing@niron-sys.com www.niron-sys.com