



RESIU31 Rugged Ethernet Switch Interface Unit – Conduction Cooled

Configured with 3U Gigabit

Description

The [RESIU31](#) is a rugged Ethernet switch with an NAI field-proven, 3U cPCI board that delivers an off-the-shelf Ethernet switching solution—accelerating deployment of SWaP-optimized systems in air, land and sea applications.

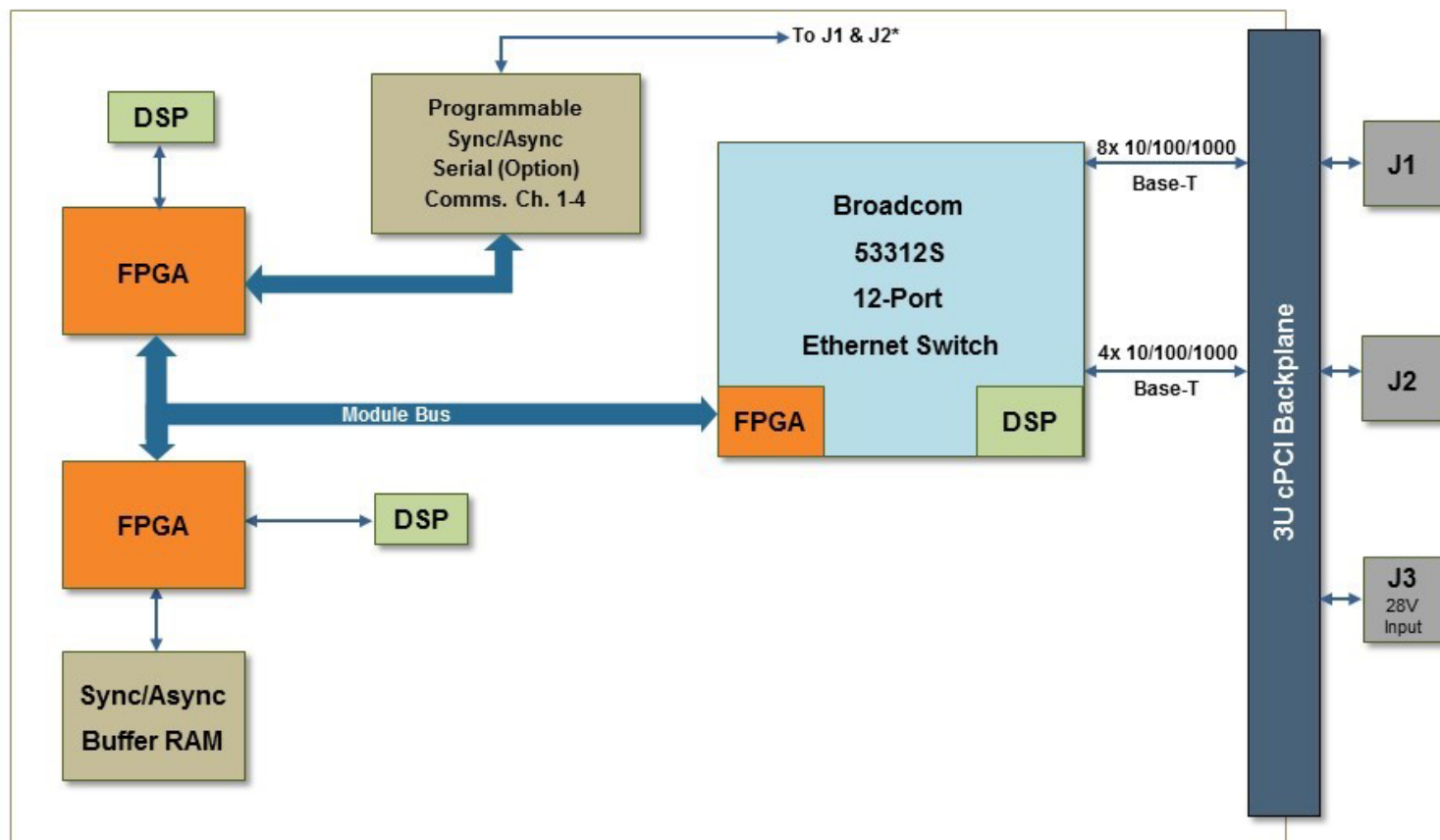


12-Port 10/100/1000 Base-T Layer 2+ Switch Standards

- IEEE 802.3ab (1000 Base-T Gig-E)
- IEEE 802.3u (100 Base-TX Fast Ethernet)
- IEEE 802.3i (10 Base-T Ethernet)
- IEEE 802.3x (Flow control/full and half duplex)

Features

- Broadcom® 53312S
- Non-Blocking Gigabit Ethernet fully integrated switch fabric with 4Mb packet buffer memory
- Integrated MACs (IEEE 802.x compliant) with support for 9600-byte jumbo frames
- High-performance look-up engine with support for up to 8K unicast MAC address entries
- Automatic learning and aging tags
- Ipv4 and Ipv6 traffic class support
- Up to 12 ports available for external Ethernet communication/connectivity
- Port segregating/partitioning options are available (i.e. separate 6/6 Ports for 2x independent networks)
- 2.35" H x 8.70" D 4.71" W
- VICTORY Interface services (Contact factory)
- Operating temp: -40 C to +71 C conduction cooled
- 28 VDC input
- Optional serial



*Number of Ethernet ports will be reduced depending on the number of optional serial ports configured. Contact factory.

One-Source Efficiencies

Eliminate man-months of integration with a configured, field-proven system from NAI. Specification to deployment is a seamless experience as all design, state-of-the-art manufacturing, assembly and test are performed— by one trusted source. All facilities are located in the U.S. and optimized for high-mix/low volume production runs and extended lifecycle support.

All products are designed to operate under extreme temperature, shock, vibration and EMI environments. EMI filters and gaskets meet or exceed MIL-STD-461F* and MIL-STD-810G requirements. I/O and communications libraries are included.

Product Lifecycle Management

From design-in to production, and beyond, NAI's product lifecycle management strategy ensures the long-term availability of COTS products through technology refresh, configuration management and obsolescence component purchase and storage.

* MIL-STD-461F requires proper shielded cables and system practices.

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