

FEATURES

Customization is key...

The primary advantage of the VNX+ ecosystem is modularity.

A manufacturer like Atrenne can design a custom I/O board based on specific mission needs.

For example, a different board might replace the SDI port with RF tuners for a signals intelligence (SIGINT) application or swap the Ethernet ports for a high-density MIL-STD-1553 interface for avionics communication.

At Atrenne, your requirements drive our designs, ensuring we deliver your products on time and to your exact specifications.



726 SERIES VITA 90 - VNX+ Chassis



Designed by Atrenne, the 726 Series, VITA 90-VNX+ system is a compact, ruggedized, high-performance computing solution for military and aerospace applications with strict size, weight, and power (SWaP) constraints. Based on OpenVPX standards, it offers a Modular Open Systems Approach (MOSA) for easy integration and upgrades. VNX+ supports various processors, including Intel and NVIDIA, and provides flexible I/O options. Its small form factor, which makes it ideal for deployment in unmanned vehicles, missiles, aircraft pods, and other space-limited environments where reliable operation in harsh conditions is critical. Currently available in 3 and 6 slot configurations.

Mechanical & Environmental Specifications

- Standard: VITA 90 VNX+
- Form Factor: 1.0-inch pitch, conduction-cooled
- Cooling: Conduction-cooled via thermal interface to the chassis, per VITA 90.4
- Operating Temperature: -40°C to +85°C at the card edge (rugged air-cooled or conduction-cooled variants)
- Shock & Vibration: Designed to meet MIL-STD-810G standards for shock and vibration profiles typical of aircraft and ground vehicles.
- Connectors: VITA 90.2 VNX+ high-density backplane connector

WARRANTY

This product has a one year warranty.

CONTACT INFORMATION

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Available in 3 and 6 slots

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