

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 MILSTD-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

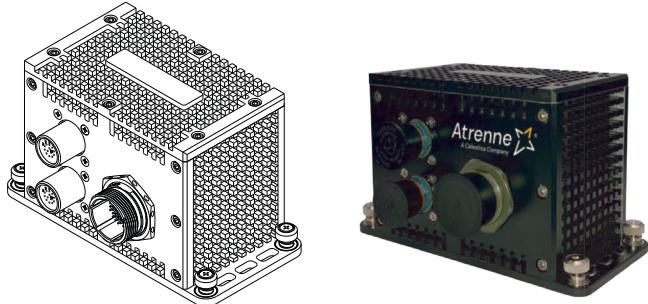
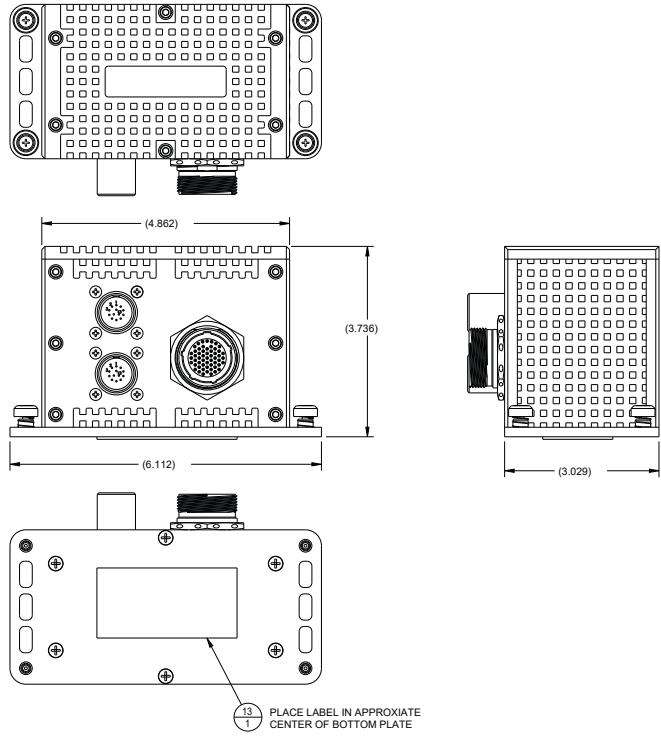
AVAILABLE IN 3 AND 6 SLOTS



SPECIFICATIONS: 3 SLOT VNX+

DIMENSIONS

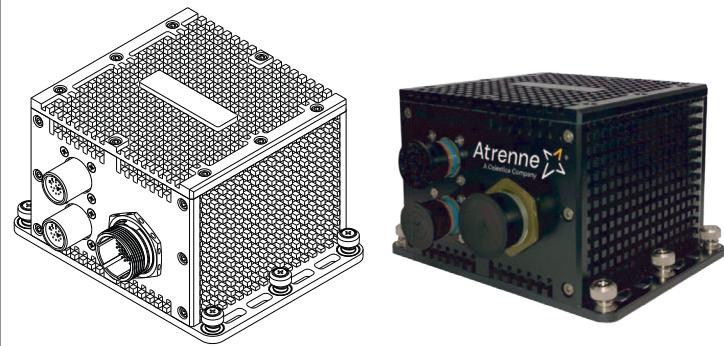
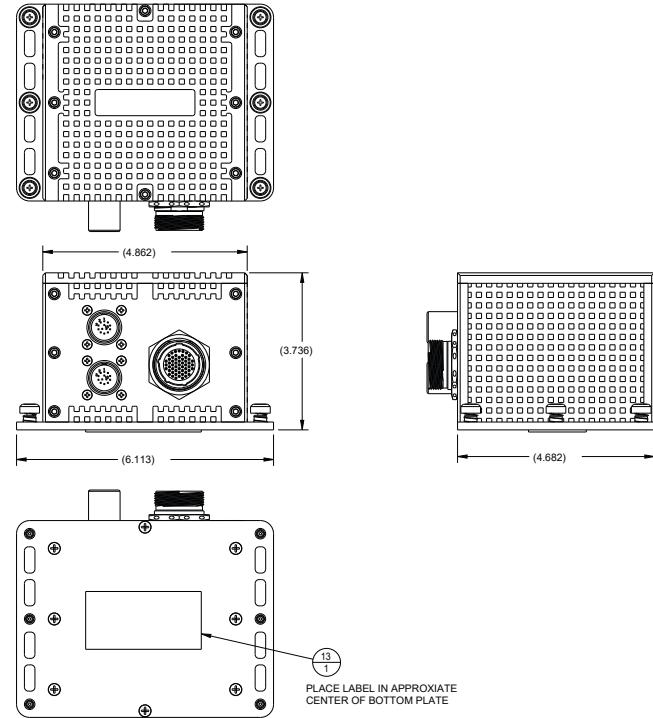
Width	4.862" not including connectors or base (+1.25")
Height	3.736"
Depth	3.029"



SPECIFICATIONS: 6 SLOT VNX+

DIMENSIONS

Width	4.862" not including connectors or base (+1.25")
Height	3.736"
Depth	4.682"



WARRANTY

This product has a one year warranty.

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