



19-inch System Platform for VPX and OpenVPX

The new HeiPac Vario VPX platform simplifies the entry into VPX and OpenVPX technology. Based on the proven 19-inch standard and thanks to full conformity to the VPX Baseline (ANSI/VITA46) and OpenVPX™ (ANSI/VITA65) standards, the platform is an ideal choice for use in the most demanding environments.

The system platforms show possible extension variations with platform components and are suitable for a wide range of applications - so, for example, the platform can be used as a modular calculation system or also as a complex redundantly operating control unit with fiber optic transmission on the backplane - the possibilities are almost unlimited.

The products are based on a 4U/9U high, 42HP/84HP wide and 250mm deep system enclosure for 3U or 6U modules. They are equipped with a 250/600 watt PSU (Power Supply Unit) and offer the possibility to use a variety of VPX and OpenVPX backplanes with slot widths from 0.8 (4HP) to 1.0 inch (5HP). Starting from a slot width of 1.0 inch, backplanes with a maximum of 6 or 12 slots can be placed. Of course, the platform can also be used to implement monolithic backplanes with corresponding plug-in power supplies and variable power ratings. All the customer's requirements and wishes can be satisfied in this area.

For optimal thermal management, the chassis is designed for effective air throughput and is cooled by two powerful radial or axial fans. The fan tray used in the 9U is based on the HeiCool ECO and is also part of the large and modular HEITEC chassis portfolio.

With the extensive range of accessories for the HeiPac Vario system enclosure family, almost all customer wishes can be realized individually and quickly. This includes, among other things, specially developed VPX guiderails, individually applicable air blockings for selective bundling of the air flow, and reinforced horizontal rails for increased insertion and extraction forces. Especially the newly developed VPX-

card guides enable the use of the proven, certified and qualitatively high-grade HEITEC standard packaging technology portfolio.

HeiPac Vario VPX

VPX System Platforms for 3 to 6U Modules

System Platform for VPX- and OpenVPX-Solutions



View of the ATX PSU with 600 watt and 85-264 VAC.



The specially developed VPX card slots and the fan tray (basis: HeiCool ECO) can be seen here.

Article	Description	Hight	Width	Sidepanel depth	Surface
9924.733	HeiPac Vario VPX 9U	9U	84HP	250 mm	aluminium passivated
9919.932	HeiPac Vario VPX 4U	4U	42HP	250 mm	aluminium passivated

Technical Summary

- › Material: aluminum passivated
- › Dimensions: 4U/9U, 42HP/84HP, 250 mm depth
- › Monolithic / VPX backplane
- › Power supply 250 watt with 100-240 VAC (4U) or 600 watt with 85-264 VAC (9U)
- › Compliant with ANSI/VITA 46.0, 46.10, 48.0, 48.1, 65-2010 and 62.0
- › Up to 6/12 boards with 3U/6U and 1.0 inch pitch
- › Prepared for 80 mm rear I/O cards (9U)
- › Powerful cooling with two radial fans (4U) or two axial fans (9U)
- › Fan tray exchangeable (9U)
- › EMC version
- › Delivery assembled

Customer Benefits

- › ANSI VITA 46/65 compliant
- › High amount of standard components
- › Innovative HEITEC VPX guiderails
- › Horizontal rails for maximum insertion/extraction forces
- › Backplane, number of slots, PSU and guiderails are scalable according to project requirements
- › Efficient cooling system

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