

Vault RF-Series

Rugged Fanless Rackmount Server



Vault RF-Series is an industrial 19" 1U rack-mount fanless rugged system, featuring Intel 3rd generation Core i7/i5/i3 processors. It supports up to 16GB of memory, onboard dual GB Ethernet, HDMI, DVI-D, USB 3.0, PCIe and Mini-PCIe slots, and can be used for 19" rack, wallmount, or standalone applications.

Designed for extended temperature environments, Vault RF-Series systems include liquid-vapor (heat-pipe) copper vacuum tubes which efficiently manage heat dissipation. This rugged mechanical structure also provides vibration resistance. In place of fans, the enclosure features large, open honeycomb vents to allow for natural convection cooling. One or more honeycomb heat dissipating vents can be installed around a circuit board or power supply, dissipating heat quickly without occupying a large amount space.

With NEBS Level 3, ETSI, MIL-STD-810G, and EN50155 compliance, Vault RF-Series systems are ready to deliver secure connectivity to equipment deployed in harsh environments encountered in applications such as:

- DoD, Military, Defense
- Other Government Agencies (requiring rugged systems)
- Transportation (Railroad, Maritime, Bus, Truck)
- Aerospace
- Aviation
- Oil & Gas
- Engineering
- Telecom
- Service Providers
- Drilling and Mining Operations
- Emergency Services
- Energy
- & More

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Key Benefits

- Rugged, fanless design with passive cooling
- High altitude and extreme temperature environment compliant
- AC and DC power options
- Full support for OpenStack, VMware and other leading virtualization platforms
- Perfect for NFV (network function virtualization)
- NEBS Level 3 and ETSI compliant
- Optional MIL-STD-810G and EN50155 compliance tested systems available
- CE and FCC certified

Features:

Supports Intel® 22nm Ivy Bridge Processor i7-3610QE/i5-3610ME/i3-3120ME

2 x DDR3 SO-DIMM up to 16 GB

Supports 2 x 2.5" SATA HDD/SSD

Multi-display: 1 x DVI-D, HDMI, VGA

Dual GbE LAN ports

4 x USB 3.0 / 2 x USB 2.0

Environmental Specifications:

Operating Temperature: -40° to 70°C (ambient with air flow)

Non-operating Temperature: -40° to 80°C

Relative Humidity: 10% to 90%, non-condensing

Dimensions:

(W x H x D): 17.32" (19" rack compliant) x 1.73" x 14.96"
440mm (19" rack compliant) x 44 mm x 380 mm