

Vault Edge X2250

NEBS Level 3 Certified 2U Telco Server

Product Overview

Vault Edge Servers provide telecom operators with ultimate performance, deployment flexibility and cost savings, and are the perfect building block for 5G and NFV infrastructure. Available with -48V DC or 100-240V AC power supplies among other options, Vault Edge Servers can be deployed at any sites from Core to Edge and are available with optional NEBS Level 3, ETSI and ATT-TP-76200 certifications as well as other global telecom certifications. Vault Edge Servers have been tested in extreme high and low temperature, humid, and dusty environments and have passed earthquake, shock and vibration testing.

Vault Edge Servers bring the latest available technologies in CPU, memory, SSD, NVMe and GPU's to the telecom market. Vector Data strives to certify new products quickly so carriers can benefit from newer technology efficiencies rather than using older technology typically found in telecom servers. Vault Edge Servers are the lowest cost telecom-certified servers in the industry and yield tremendous cost savings for operators when compared with other major server vendors. Based in Berkeley, California, Vector Data has been providing Carrier-Grade systems to telecom operators for over 15 years.

Key Applications and Benefits

- Telecom Central Office and Data Center
- 5G Core and Edge Computing
- AI Inference and Machine Learning
- Network Functions Virtualization (NFV)
- Cloud Computing
- AC and DC power options
- NEBS Level 3 and ETSI certification



Vault Edge X2250 Technical Specifications

Processor

CPU	Dual Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable processors Support CPU TDP 270W
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Cores	Up to 40C/80T; Up to 60MB Cache
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System Memory

Memory	Memory Capacity: 32 DIMM slots Up to 8TB: 32x256GB DRAM Up to 12TB: 16x512GB PMem, 16x256GB DRAM Memory Type: 3200MHz ECC DDR4 Intel® Optane™ persistent memory 200 series
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Network Connectivity

2x 1GbE BaseT with Intel® i350-AM2 (optional)

4x 1GbE SFP or 2x 10GbE BaseT with Intel® X550-AT2 (optional)

2x 10GbE SFP+ with Intel® X710-BM2 (optional)

4x 10GbE SFP+ with Intel® XL710-BM1 (optional)
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4x 10GbE RJ45/SFP+ with Intel® X710-TM4 (optional)
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2x 25GbE SFP28 with Broadcom® BCM57414 (optional)

4x 25GbE RJ45/SFP28 with Mellanox® CX-4 Lx EN Intel® X550-AT2 (optional)
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2x 100GbE QSFP28 with Broadcom® BCM57508 (optional)

4x 1GbE BaseT with Intel® i350-AM4 (optional)

Dimensions and Weight

Height	3.5" (88.9mm)
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Width	17.2" (437mm)
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Depth	22.6" (574mm)
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Net Weight:	34.4 lbs (15.6 kg)
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Gross Weight:	47.4 lbs (21.5 kg)
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Expansion Slots

PCI-Express Slot 1: PCI-E 4.0 x16 or (Optional) x8 FH, 10.5"L
 Slot 2: (Optional) PCI-E 4.0 x8 FH, 10.5"L
 Slot 3: PCI-E 4.0 x16 or (Optional) x8 FH, 10.5"L
 Slot 4: (Optional) PCI-E 4.0 x8 FH, 10.5"L
 Slot 5: PCI-E 4.0 x16 or (Optional) x8 FH, 10.5"L
 Slot 6: (Optional) PCI-E 4.0 x8 FH, 10.5"L
 Slot 7: PCI-E 4.0 x8 FH, 6.6"L
 Slot 8: PCI-E 4.0 x8 FH, 6.6"L

Note If Slot 1 is configured as PCI-E x16, Slot 2 will be disabled;
 If Slot 3 is configured as PCI-E x16, Slot 4 will be disabled;
 If Slot 5 is configured as PCI-E x16, Slot 6 will be disabled;
 If Slot 7 is configured as PCI-E x16, Slot 8 will be disabled.

Drive Bays / Storage

Hot-swap 6x 2.5" hot-swap NVMe/SATA drive bays (6x 2.5" NVMe hybrid)

M.2 2 M.2 NVMe OR 2 M.2 SATA3

System Cooling

Fans 6x 6cm heavy duty fans with optimal fan speed control

Air Shroud 4 Air Shroud(s)

Power

Power Supplies Two, hot-swap

Power Input Options 100V AC to 240V AC
-48V DC

Operating Environment

Operating Temperature: 5°C ~ 35°C (41°F ~ 95°F)

Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)

Operating Relative Humidity: 8% to 90% (non-condensing)

Non-operating Relative Humidity: 5% to 95% (non-condensing)

Note

Operating Relative Humidity: 5% to 85% with excursion of
 Operating Temperature: Continuous: 5°C ~ 40°C (41°F ~ 104°F), Short term: -5°C ~ 55°C (23°F ~ 131°F)

Certifications and Compliance

CAN/CSA C22.2 N0. 62368-1

UL 62368-1

IEC 62368-1

EN 62368-1 (Safety of Information Technology Equipment)

Telcordia GR-63-CORE (Environment)

Telcordia GR-1089-CORE (EMC and Electrical Safety)

Telcordia SR-3580 Level 3

ATT-TP-76200

VZ.NEBS.TE.NPL.2004.015

VCCI (Japan)

KCC (Korea)

RoHS Compliant

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