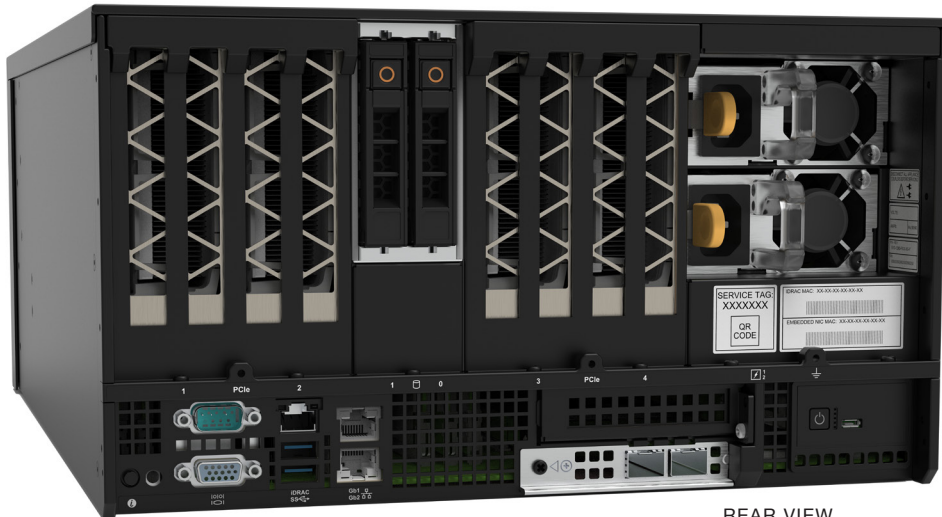


HIGH PERFORMANCE / ATA CARRY ON
COMPLIANT / GPU INTENSIVE / SUPPORTS
4 FULL-LENGTH, DOUBLE-WIDE GPU SLOTS



REAR VIEW

Tracewell T-XE2420

BASED ON: The Dell EMC PowerEdge XE2420 Edge Server. Edge platform designed for scalability, high-performance and reliability while providing low latency in harsh environments outside of a traditional data center.

USE CASE: Ideal for customers that require a compact platform that delivers extreme data analytics capabilities in edge environments as well as other applications that need enhanced GPU support for specialty computing.

Benefits

DELL TECHNOLOGIES

High-performance server built to meet the compute, latency and bandwidth demands of edge environments. Flexible short-depth servers offer a range of storage options (SSD and NVMe) and designed for harsh environments with extended operating temperatures.

TRACEWELL PLATFORMS

Features all of the benefits of the standard Dell EMC PowerEdge XE2420 while adding truly ground-breaking GPU capabilities supporting up to 4 high power, high bandwidth PCIe cards per system. Form factor design also offers rack mount capability.

DELL+ TRACEWELL

Electrically identical to standard Dell products. "Plug and play" components between Dell EMC products and Tracewell platforms. Order through Dell (Dell part number) and eligible for Dell warranty, service, support and secure supply chain.



SYSTEM:
7.0"H x 12.5"W x 18.0"D



FORM FACTOR HIGHLIGHTS

Air Transportation Association (ATA) "carry on" compliant. Supports 4 full-size, double-wide PCIe cards. Features NVIDIA's V100S Tensor Core, the company's most advanced data center GPU built to accelerate high-performance computing at the edge.

Fits in an ATA compliant transit case engineered by Tracewell.



MAXIMUM CONFIGURATION

Processor: 48 cores (Intel).
Memory: 1.7TB. Storage (SSD):
2, 2.5" drives. PCIe slots: 4.

The Tracewell T-XE2420 Specifications Summary

The Tracewell T-XE2420 accepts standard Dell EMC hardware configurations.

STANDARD DELL EMC PRODUCT CONFIGURATIONS

CHASSIS MANAGEMENT CONTROLLER	Integrated Dell EMC Remote Access Controller (iDRAC9). One RJ45 iDRAC9 dedicated port, and one Micro USB 2.0-compliant port for iDRAC Direct.
I/O AND PORTS	System: Two USB 3.0 ports. One additional internal USB 3.0 port. One Serial port. One RJ45 iDRAC9 dedicated port and one Micro USB 2.0-compliant port for iDRAC Direct. One 15-pin VGA video connector. On/standby switch. Network: Two 1Gb LAN on motherboard (10/100/1000 Mbps). Network options: Optional Dual Port 10/25GbE SFP28 OCP NIC 2.0, various PCIe NIC card options.
PROCESSOR TYPE	Intel® Xeon® Scalable processor, up to 24 cores per process. (1 or 2 processors).
MEMORY ARCHITECTURE	16 DDR4 slots, supports up to 2933 MT/s, RDIMM/LRDIMM, 1792GB Max.
STORAGE	Up to 2 HD/SSD SATA or NVMe 2.5-inch drives, embedded SATA and PCIe NVMe. Up to 2 M.2 SATA boot drives on internal BOSS, available RAID.
PCIe SLOTS (UP TO 5)	4 x PCIe x8 Gen3 FHFL-DW slot, high power GPU capable. 1 x PCIe x8 Gen3 LP slot.
POWER SUPPLY	Up to two power supplies supported, each up to 2000W output (AC) or 1100W output (DC). Input voltage: 100-264VAC or -48-60VDC.
COOLING	Integrated fan module with high pressure fans.
ENVIRONMENTAL	Normal operating temp: 10°C to 35°C (50°F to 95°F). Expanded operating temp: 5°C to 40°C (41°F to 104°F) with some restrictions. Storage temp: -40°C to 65°C (-40°F to 149°F).

TRACEWELL SYSTEMS PRODUCT CONFIGURATIONS

CHASSIS / SLED BAY	Tracewell T-XE2420 supports the following configurations: Dual CPUs, up to 1784GB RAM, up to (4) GPUs, up to (2) 2.5" SATA/NVMe drives, 110/220AC. Dual CPUs, up to 1784GB RAM, up to (4) GPUs, up to (2) 2.5" SATA/NVMe drives, -48VDC.
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For more information, see the Tracewell T-XE2420 Data Sheet.

ABOUT TRACEWELL SYSTEMS

For more than 40 years Tracewell has enabled the nation's largest military and commercial organizations to deliver powerful and reliable computing solutions in environments where size, weight, power and other constraints present challenges that cannot be met by standard computing systems. Tracewell Systems have been recognized by the top names in the defense and technology sectors for their commitment to Trusted Innovation – a process where the company solves previously impossible, sensitive, mission-critical platform challenges through customer solution design, engineering and manufacturing, all under one roof.

More information: www.tracewell.com.