DUAL SOCKET PERFORMANCE IN A SINGLE-SOCKET DESIGN / SMALL FOOTPRINT / OPTIMIZED FOR HIGH-PERFORMANCE APPLICATIONS

SYSTEM:
18"D, 13" W, 3.47"H

Tracewell T-R6515

BASED ON: The Dell EMC PowerEdge R6515. Designed to deliver breakthrough performance, innovation and compute density in a single-socket, scalable, low-profile design.

USE CASE: Ideal for customers that require a compact yet scalable and powerful high-performance compute platform to support edge applications, such as virtualization, hyper-converged infrastructure and more.

FORM FACTOR HIGHLIGHTS

Ground-breaking compute capability (64 cores and 2TB of RAM) in a highly compact platform footprint, making it the ideal platform for high-performance computing at the edge. Available in an Air Transportation Association (ATA) carry-on compliant case. Can be scaled to accommodate additional components and technology.

Fits in an ATA compliant transit case engineered by Tracewell.

MAXIMUM CONFIGURATION

Processors: 64 cores
Memory: 2TB
Storage: 10, 2.5" drives (8 SATA/SAS or 10 NVMe)
PCIe slots: 2
Note: AMD EPYCTM processor

Benefits

DELL TECHNOLOGIES

Compact system designed to deliver high-performance computing and a scalable, dense platform optimized to meet the demands of a traditional data center and emerging workloads at the edge.

TRACEWELL PLATFORMS

Features all of the benefits of the standard Dell PowerEdge R6515 in a much shorter form factor – the Tracewell product is only 13" wide and 18" deep, compared to 17.09" wide and 25.88" deep for a standard Dell EMC R6515.

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.

The Tracewell T-R6515 Specifications Summary

The Tracewell T-R6515 accepts standard Dell hardware configurations.

STANDARD DELL EMC PRODUCT CONFIGURATIONS

PROCESSOR TYPE	One 2nd or 3rd Generation AMD EPYC TM processor, up to 64 cores (1 processor).
MEMORY ARCHITECTURE	16 DDR4 slots, supports up to 3200 MT/s RDIMM and LRDIMM, 2048GB Max.
STORAGE CONTROLLER	HW RAID: PERC 9/10: HBA330, H330, H730P, H740P, H840, 12G SAS HBA. Chipset SATA/SW RAID: S150.
STORAGE	Up to 10 2.5" Hot Plug SAS / SATA/NVMe. Optional internal BOSS-S1 controller with up to two 6Gbps M.2 SATA SSDs, RAID 1 option. Optional Internal Dual SD Module (IDSM), up to 64GB per SD.
VIDEO	Supports integrated Matrox G200eR2 graphics controller with 16MB of video frame buffer.
PCIe SLOTS	Supports 2 low profile (LP) x 16 PCIe slots; 1 x Gen3 and 1 x Gen4. Supports up to 2 single-wide GPUs.
SYSTEM MANAGEMENT	Integrated Dell Remote Access Controller (iDRAC9) with Dell Lifecycle Controller. One RJ45 iDRAC9 dedicated port and one Micro USB 2.0 compliant port for iDRAC Direct. Optional Quick Sync 2 wireless module.
FRONT AND REAR ACCESSIBLE I/O	Front ports: 1 x Dedicated iDRAC direct micro-USB, 1 x USB 2.0. Rear ports: 2 x 1Gbe, 1 x Dedicated iDRAC network port, 1 x Serial, 2 x USB 3.0, 1 x video.
POWER SUPPLY	Two power supplies supported. Available in 550W output. N+1 capable. Input voltage: 110-240 VAC. Input current: 7.4A – 3.7 A. Frequency: 50/60 Hz.
COOLING	Six high-performance cooling fans.
ENVIRONMENTAL	Normal operating temperature: 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	Low-mass formed and machined aluminum chassis for rigidity with minimum weight. T-R6515 supports: Single AMD EPYCTM CPU with up to 64 cores per CPU, up to 2048GB RAM, 2 LP x16 PCIe slots, up to 10 2.5" drives (8 SATA/SAS or 10 NVMe max), 110/220AC.
INSTALLATION & OPTIONS	Designed for benchtop operation. Optional ATA carry-on compliant transport case supports up to two T-R6515 servers or one T-R6515 with room for additional components.
DIMENSIONS	18"D x 13"W x 3.5"H.

For more information, see the Tracewell T-R6515 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.