



Tracewell T-FX2ha_(1 Bay)

BASED ON: The Dell EMC PowerEdge FX architecture. Converged platform houses flexible blocks of server, storage and I/O resources while providing efficiency through shared power, networking and management.

USE CASE: Ideal for customers that require an Air Transport Association (ATA) “carry on” compliant platform that delivers data center capabilities to support challenging edge computing solutions, such as cyber security.

Benefits

DELL TECHNOLOGIES

Enterprise-class modular infrastructure that combines the density and efficiency of blades with the simplicity and cost benefits of rack systems. Flexible and customizable servers, storage and networking.

TRACEWELL PLATFORMS

Features standard Dell EMC PowerEdge server sleds (FC430 and FC640) and the ability to increase storage and I/O density with the Tracewell Extended Storage Module (ESM) and Extended Storage Module with PCIe (ESM-P).

DELL EMC + TRACEWELL

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



4.8"H x 10.7"W x 17.3"D

FORM FACTOR HIGHLIGHTS: 1 BAY

Fits in one Air Transportation Association (ATA) “carry on” compliant transport case (case measures 14"W, 9"H and 22"D).

The Tracewell T-FX2ha (1 Bay) Specifications Summary

The Tracewell T-FX2ha (1 Bay) accepts standard Dell EMC hardware configurations.

STANDARD DELL EMC PRODUCT CONFIGURATIONS

CHASSIS MANAGEMENT CONTROLLER	Single, dual-port chassis management module. Two dedicated 10/100/1000Mb RJ45 ports (one for external management network and one for daisy chaining or NIC failover). Serial 9-pin, DTE, 16550 compatible.
I/O AND PORTS	System: One USB 2.0 connector for keyboard and mouse support. One additional USB 2.0 connector. One 15-pin VGA video connector. KVM selector switch. On/standby switch. Network: System supports up to 2 x front I/O aggregator modules. Modules are available in pass-through and switching configurations. Server: One USB 2.0 and one USB 3.0 connector. On/standby switch. Network options: HW: Up to 4 x 10Gb. QW: 2 x 1Gb or 2 x 10Gb.
PROCESSOR TYPE	Up to two Intel® second-generation Xeon Scalable processors with up to 28 cores per processor.
MEMORY ARCHITECTURE	Up to 3200MT/s, DDR4, LRDIMM and RDIMM. Number of sockets: Half-Width (HW), 16. Quarter-Width (QW), 8. Maximum RAM: HW, 2TB. QW, 512GB.
STORAGE	Front: HW, up to 2 x 2.5" SATA (HDD/SDD). NVMe SSDs optional. QW, up to 2 SATA HDD/SDD (supports 1.8" or 2.5" drives). Tracewell Extended Storage Module (ESM): Up to 8 additional 2.5" SAS/SATA (HDD/SSD) drives, or Extended Storage Module with PCIe (ESM-P): Up to 4 additional 2.5" SAS/SATA (HDD/SSD) drives with either one x16 or two x8 low profile (LP) PCIe slots. ESM and ESM-P available on HW sleds only.
RAID CONTROLLER	Internal controllers: Software RAID S140. Extended Storage Modules: H730P Controller. Boot Optimized Storage system, Internal Dual SD Module.

TRACEWELL SYSTEMS PRODUCT CONFIGURATIONS

CHASSIS / SLED BAY	Tracewell T-FX2ha (1 Bay) chassis / sled bay supports two configurations: – Two standard Dell EMC FC430 servers with 2.5" storage drives. – One Dell EMC FC640 server with one Tracewell Extended Storage Module (ESM or ESM-P).
TRACEWELL EXTENDED STORAGE MODULE (ESM / ESM-P)	The Tracewell Extended Storage Module (or ESM) adds 8 additional storage drives on top of a Dell EMC FC640 – increasing compute sled storage density. Tracewell Extended Storage Module (ESM-P) adds 4 additional drives and one x16 or two x8 low profile (LP) PCIe— increasing both the storage and I/O density.
POWER SUPPLY	One power supply supported, up to 2400W output.

For more information, see the Tracewell T-FX2ha (1 Bay) 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.

© 2021 Tracewell Systems, Inc.

Tracewell Systems, Inc. reserves the right to make changes without notice. All brand or product names may be trademarks or registered trademarks of their respective holders.

April 2021 | Version 2.0 Tracewell T-FX2ha (1 Bay) At A Glance