



Tracewell enables Dell products to solve challenges in mission-critical environments – creating new markets, program opportunities and capabilities.

With its converged design (servers, networking and storage in one complete system), flexible footprint and simplified management tools, no wonder Dell PowerEdge FX has been hailed as “a bold new computing architecture” by Forrester Research.

Tracewell Systems makes it possible for defense agencies, commercial businesses and OEMs to deploy Dell’s powerful FX architecture “beyond the back office,” in settings where standard systems are not designed to operate – places with significant space constraints, locations where environmental factors create unique computing challenges (such as in the air, at sea or on the ground, in a variety of fixed and mobile installations) or situations where integration with specialty hardware or software is critical.

Engineered from the ground up in partnership with Dell, Tracewell T-FX2 products feature identical compute, network, storage and system management tools, making them fully interoperable with PowerEdge FX technology. Based on extensive feedback from Dell sales and technical teams, defense agencies, commercial businesses and OEMs, the T-FX2 family of products currently includes three distinct platforms: T-FX2 for solutions that require Dell’s FX2 in a smaller form factor; T-FX2s for solutions that require integration with full-size, high-power PCIe cards or specialty hardware; and T-FX2e for the next generation of hyper-converged, storage-intensive applications.

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Tracewell Systems and Dell

Working with teams across Dell’s OEM, Engineering and Federal Groups, Tracewell created the T-FX2 family of products – the first and only versions of Dell’s powerful FX technology specifically designed for deployment by defense agencies, commercial businesses and OEM solution providers that need to leverage the power of Dell’s FX platform but require a form factor engineered for computing “beyond the back office.” By making it possible to deliver Dell products in places they were not engineered for, Tracewell’s Dell-based “beyond the back office” approach enables proactive, high-value customer problem solving.

About Tracewell Systems

Tracewell’s T-FX2 family of products, based on Dell PowerEdge FX, represents the company’s fourth generation of blade-based systems engineered to deliver high-performance computing in a form factor designed for forward deployment in space-constrained environments, such as in the air, at sea, or on land, in unique fixed or mobile installations. The company has a 40-year history of enabling 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 has become recognized by the top names in the defense and technology sectors for its commitment to Trusted Innovation – a process where the company solves previously impossible, sensitive, mission-critical platform challenges through custom solution design, engineering and manufacturing, all under one roof.

For more information, visit tracewell.com.

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T-FX2 Family Of Products



Dell Poweredge FX2 / FX2s

Converged computing

Ideal for datacenter solutions that require optimized workloads, maximum efficiency and reduced complexity for the next generation of converged computing – for example, hyper-converged platforms, cloud computing and software-defined storage.

Height: 2U

Depth: 33.52"

Value proposition:

The future of converged computing systems: compute, networking and storage in one complete system.

Flexible architecture: multiple options to mix and match servers, networking and storage.

Simplified management: chassis management controller and industry leading OpenManage suite.



Tracewell T-FX2

Small form factor

Ideal for users that need to deliver the power of the Dell FX architecture in a smaller form factor – featuring shorter depth, lighter weight and increased cooling capabilities. Complies with secure supply chain and TAA requirements.

Height: 3U

Depth: 23.7"

Value proposition:

Fully compatible with Dell PowerEdge FX2 (identical compute, networking, storage and systems management).

Features increased cooling, lighter weight and lower power consumption.

Easy customization and integration with key third-party technologies.



Tracewell T-FX2s

Full-size, high-power PCIe cards

Ideal for users that need to integrate specialty PCIe cards (such as Nvidia, FPGA, zero client and VDI) into their smaller-footprint FX-based solutions. Complies with secure supply chain and TAA requirements.

Height: 5U

Depth: 23.7"

Value proposition:

All of the benefits of T-FX2.

Integrates PCIe I/O cards and opens up the FX architecture to a wide range of specialty solutions and third-party technologies.

Accepts full-size, high-power, Gen 3 PCIe cards in a pluggable module. Extended capacity supports up to 315W per PCIe slot, including 8 full-size, single width or 7 full-size, double-width or 4 full-size, double width (x16) cards.



Tracewell T-FX2e

Enhanced storage

Ideal for users focused on hyper-converged software solutions in a Dell FX2 architecture, including support from the biggest names in software-defined storage. Complies with secure supply chain and TAA requirements.

Height: 4U

Depth: 23.7"

Value proposition:

All of the benefits of T-FX2.

Offers the ability to extend storage capacity by adding an additional 8 drives per Dell PowerEdge FC630 (half-width) server block (T-FX2e model).

Primed for the future of hyper-converged computing and software-defined storage. Supported by the biggest names in software-defined storage, including Microsoft, Red Hat and VMware.