

Secure Workloads at the Edge on a TEMPEST platform



When you need to run a compute workload away from the data center, we give you the performance and secure platform you need in the field.



Benefits

Run a flexible array of application workloads as close to the edge as you like with the infrastructure you need in the field.

Easily deploy a workgroup of up to (20) directly connected secure endpoints

Leverage your own hardware-based encryption and enable secure computing wherever, whenever.

Product Overview

The evolution of the digital environment is constantly changing and supporting DoD and IC customers demands modern tactics. Compute capabilities at the edge are a critical aspect allowing processing to happen anytime and anywhere closest to the front lines of any mission. The DTD-HDSER-0X-K1 is a flexible, high-performance portable kit designed to bring server based compute capabilities directly to the edge. With its VersaLogic embedded compute platform, the DTD-HDSER-0X-K1 delivers the ideal platform for enabling the data gathering, processing, and storage needed to provide local cloud capability to a workgroup.

The DTD-HDSER-0X-K1 provides the full suite of computing capabilities from a powerful CPU with 16 cores, 128 GB of memory, and 2 TB of NVMe storage to a standards based IPMI connection and expandable SATA interface. The DTD-HDSER-0X-K1 delivers multiple WAN connectivity options to unsecured transport networks such as cellular backhaul, WiFi as WAN or wired Internet through an unsecured wireless router. If wireless does not meet mission parameters, the unsecured wireless router can be bypassed and all traffic routed through a second unsecured wired router based on mission requirements.

Key Features



Embedded
Server



LiFePO4
Battery & UPS



AC and DC
Power



Cellular WAN
Backhaul



Type 1 Encryption
Capable

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📞 703-996-0500



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DTD-HDSER-0X-K1 Product Specifications - Page 1

Part #:	DTD-HDSER-04-K1
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VersaLogic Grizzly VL-ESU-507-ECP

Processor	Intel Atom® Processor C3958 (16M Cache, 2.0 GHz)
Storage 1	2 TB, M.2 2280, PCIe NVMe, SSD
Storage 2 (Open)	(1) SATA Female Port
Memory	128 GB ECC
IPMI	IPMI 2.0 compliant Management Controller 10 G Ethernet - LC Fiber
Video	VGA Female
Console Port	DE9 Female
Peripheral Ports	(2) USB Type A Female

Secure (Red) Router - Cisco ESR 6300

Console Port	(1) DE9 Female
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Secure (Red) Switch - Cisco ESW 3300

Network Ports (Copper)	(8) RJ-45 10/100/1000 LAN ports / (2) RJ-45 10/100/1000 LAN port w/ PoE
Network Ports (Fiber)	(5) 100M LC Fiber ports / (5) 1G LC Fiber ports
Console Port	(1) DE9 Female

Unsecured (Black) Router 1 - Cisco ESR 6300

Network Ports	(3) RJ-45 10/100/1000 LAN port w/ PoE
Console Port	RJ45

Unsecured (Black) Router 2 - Sierra Wireless XR80

Cellular Radios	5G/LTE Cat-20
Wi-Fi	5x4 MU MIMO Wi-Fi 6
Console Port	(1) RJ-45 10/100/1000 LAN port

Wireless Bypass Switch:	Disables wireless router and sends WAN port to Unsecured ESR6300
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Encryptor Interfaces:	PT - RJ45 Male CT - RJ45 Male
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DTD-HDSER-0X-K1 Product Specifications - Page 2

External Dimensions	(L x W x H): 22 × 14 × 9" ; 55.9 x 35.6 x 22.9 cm
Weight	42.1 lbs
Power:	100-240 VAC:50-60Hz - AC Power Cord Provided 12-28 VDC - DC Power Cord Provided LiFEPO4 Battery based UPS included
Operating Temp:	0°C to 35°C (32°F to 95°F) ambient temperature
Warranty	Standard 1 year parts and labor Optional 3 years parts and labor

Side View



Top View



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DTD-HDSER-0X-K1 Product Architecture

