



ServerPack™ Edge Ultra (SPE Ultra) Product Specifications



OVERVIEW

A lightweight, ruggedized platform engineered for rapid field deployment, the SPE Ultra serves dual purpose: as a portable edge computing solution for AI applications and data-intensive workloads, or as end-to-end Private 5G network seamlessly integrated with edge compute.

FEATURED PLATFORMS

| ServerPack™ Edge Ultra (SPE Ultra)

Datcenter-Class Compute at the Tactical Edge.

A high-performance ruggedized edge cloud appliance optimized for AI, simulation, and distributed training environments.

KEY SPECIFICATIONS

- | Intel Xeon 4th/5th/6th Gen CPUs (up to 42 cores/84 threads)
- | Supports AMX, AVX-512, vRAN Boost, DSA
- | Up to 2TB DDR5 RAM
- | Up to 6xSSD or x2 PCIe 5.0 NVMe
- | Networking up to 100Gbps
- | Integrated router: dual SIM, Wi-Fi 5, multi-VPN
- | Vehicle-grade rugged aluminum chassis
- | Optional hot-swappable UPS (up to 10x98Wh batteries)

IDEAL FOR

The SPE Ultra delivers mission-critical performance anywhere, anytime.

- | Emergency response
- | Critical communications
- | Defence
- | Industrial AI & IoT
- | Edge Compute & Private 5G anywhere
- | Enhanced security & sovereignty Local data process and storage

Model Series	SPE Ultra
Product Role	Low-latency, high-performance data processing at the edge (IoT, autonomous vehicles, AR)
Dimensions (L x W x D)	22" x 14" x 9" (559 x 356 x 229 mm)
Weight	< 22 kgs / 48.5 Pounds

Graphics Processing Unit (GPU)

COMPONENT	SPECIFICATIONS
NVIDIA L4 Tensor Core GPU	FP32: 30.3 teraFLOPs TF32 Tensor Core: 120 teraFLOPs FP16 Tensor Core: 242 teraFLOPs BFLOAT16 Tensor Core: 242 teraFLOPs FP8 Tensor Core: 485 teraFLOPs INT8 Tensor Core: 485 TOPs GPU Memory: 24GB

Memory and Storage

COMPONENT	SPECIFICATION
RAM (ECC DDR5)	6th Gen Xeon: Up to 512GB DDR5-6400MT/s
	4th/5th Gen Xeon: Up to 2TB DDR5-5600MT/s
Storage Options	Up to 6x 2.5" SSDs or Up to 2x 2.5" U.2/U.3 NVMe PCIe 5.0

CONNECTIVITY AND NETWORKING

Data and Management Ports

WAN NIC	1x 1GbE (10Base-T, 100Base-T, 1000Base-T)
IPMI Port	Internal IPMI v.2.0 (Accessible over LAN or WAN)
LAN	8x Configurable LAN ports (RJ45, LC, or Active Fiber)
Video Output	1x VGA port
USB	1x USB 3.0 port

Integrated Router / Wireless Connectivity

Wi-Fi Standard	802.11b/g/n/ac Wave 2 (Wi-Fi 5), Dual Band, MU-MIMO
Max Wireless Data Rate	Up to 867 Mbit/s
SIM Slots	2 SIM cards, with auto-switch capabilities
Supported VPN Profiles	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP, ZeroTier, WireGuard, Tinc, Tailscale

POWER SPECIFICATIONS

AC Power Input	100-240V, 60/50Hz	
Integrated UPS Options	A	B
	No UPS, Redundant PSU	10x 98Wh, Li-Ion hot-swappable batteries

ENVIRONMENTAL

FEATURE	SPECIFICATION
Operating Temperature	-40-131 F (-40~55°C) ambient
Chassis/Build	Proprietary Aircraft aluminum chassis with crash-proof and waterproof exoskeleton
Shock Protection	Proprietary anti-shock design (delicate internal components floating)

OTHER

FEATURE	SPECIFICATION
Security	TPM 2.0 support
OS Compatibility	Works with third-party OS (UNIX/Linux, Windows, etc.)

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