

AVR-800-S4L4 Rugged AI Inference Platform



Features

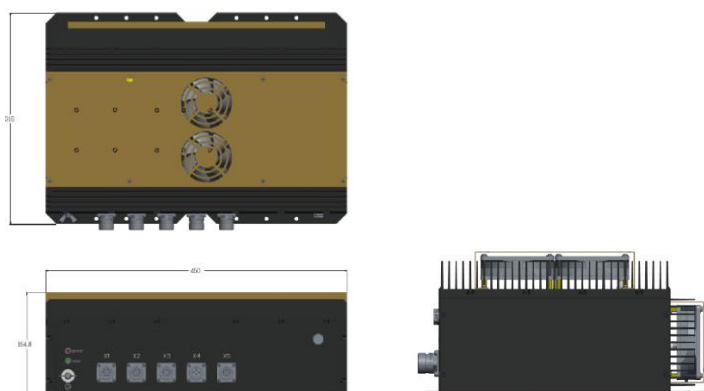
Processor: Intel® Xeon® Processor SP Gold 5411N
 GPU: NVIDIA Ada Lovelace L4 Tensor
 Operation Temperature: -20°C ~55°C
 Complies with MIL-STD-810, MIL-STD-461
 Natural Passive Convection/Conduction Cooling
 Ingress Protection – IP65

The AVR800-S4L4 is a rugged AI inference platform designed specifically for advanced inference acceleration applications such as voice, video, image, and recommendation services. This platform is powered by the NVIDIA Ada Lovelace L4 Tensor Core GPU, which features 30.3 TFLOPS in FP32 and 485 TOPs in INT8 PCIe Gen 4 x 16 high speed bus for real-time inference based on trained neural network models.

Specification

Processor	CPU	Ultra-High-Performance Intel® Xeon® SP Gold 5411N (1.9GHz, Max 3.9GHz 20 cores, 40 threads)	
	Memory	512GB RDIMM ECC DDR5-5600 MHz	
	Storage	2 x 8TB U.2 NVMe for Fast & Mass Storage with SED	
Graphics	GPU	NVIDIA Ada Lovelace L4 Tensor (7424 CUDA and 30.3 TFLOPS, 24GB GDDR6)	
38999 I/O Connectors	Ethernet	2 x 10 GbE	
	Video	1x VGA (ASPEED AST2600) / Up to 1920x1200@60Hz 32bps	
	USB	4 x USB2.0	
	DC IN	DC-DC 18 to 36V (300W max) MIL-STD 461	
	Ethernet	2 x 1GbE RJ45	
Environment		Operating	Non-operating
	Temperature	-20 ~ 55° C (with external fan unit)	
	IP Rating	IP65	
	Environmental	MIL-STD-810G	
	EMI/EMC	MIL-STD-461F	
Physical Characteristics	Dimensions (D x W x H)	450x 316x 154 mm (D x H x W)	
	Weight	18Kg - final weight is dependent on specific configuration	

Appearance & Dimensions



Ordering Information

AVR-800B-S4L4-C1	Rugged CPU/GPU System with Xeon 5411N, NVIDIA Ada Lovelace L4, 512GB RAM, 2 x 8TB U.2 NVMe
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