

# AVR-800-X1A Rugged AI Inference Platform



## Features

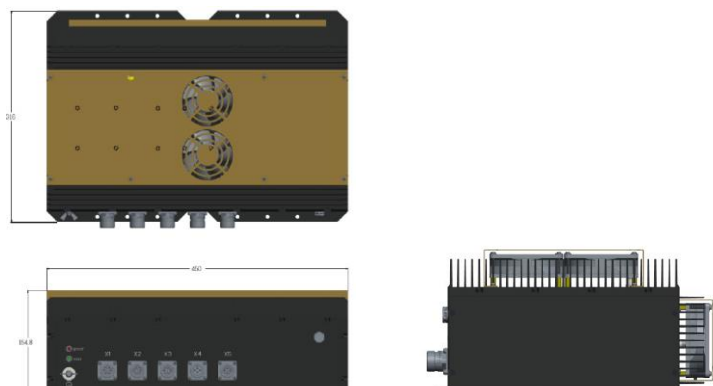
Processor: Intel® Xeon® Processor D-2183IT  
 GPU: NVIDIA Tesla T4 GPU  
 Operation Temperature: -20°C ~55°C  
 Complies with MIL-STD-810, MIL-STD-461  
 Natural Passive Convection/Conduction Cooling  
 Ingress Protection – IP65

The AVR800-X1A 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 Tesla T4 GPU, featuring 8.1 TFLOPS in FP32 and 130 TOPs in INT8 for real-time inference based on trained neural network models.

## Specification

Processor	CPU	Intel® Xeon® Processor D-2183IT (Frequency 2.20GHz, Turbo Boost Frequency up to 3.00GHz), 16 Core, 32 Thread support, 22MB Smart Cache.	
	Memory	4x DIMMs Up to 256GB ECC RDIMM DDR4-2400MHz	
	Storage	1x M.2 2280 M key NVMe socket (PCIe Gen3 x4) for NVMe SSD installation 2 x 2.5" SATA SSD (Easy Swappable)	
Graphics	GPU	NVIDIA Tesla T4 (2560 CUDA, 16GB GDDR6)	
38999 I/O Connectors	Ethernet	2x 10GbE	
	Video	1x VGA (ASPEED AST2500) / Up to 1920x1200@60Hz 32bps	
	USB	2 x USB2.0	
	DC IN	DC-DC 18 to 36V (300W max) MIL-STD 461	
Environment		Operating	Non-operating
	Temperature	-20 ~ 55° C (with external fan unit)	
	IP Rating	IP65	
	Environmental	MIL-STD-810G	
Physical Characteristics	EMI/EMC	MIL-STD-461F	
	Dimensions (W x D x H)	400 x 311 x 155mm	
	Weight	15Kg - final weights is dependent on specific configuration	

## Appearance & Dimensions



## Ordering Information

AVR-800-X1	Rugged CPU/GPU System with Xeon D-2183IT, NVIDIA Tesla T4, 256GB RAM, 2x 1TB 2.5" Swappable SSD Tray, 1x 7.6TB U.2 NVMe- Advantech
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