

ReliaPOD 16-10 - Edge AI MiniRack

MINI RACK - 16U - Multi GPU - AMD EPYC or Intel Xeon - Self-contained Liquid Cooling



- Dual Node MiniRack
- Self-contained Cooling
- Multi GPUs
- 16U, Short-Depth
- Liquid Cooled
- Configuration Service

Features

High Performance Edge AI Server : Designed for GPU accelerated workloads

Dual GPU : Two NVIDIA H200 NVL to provide exceptional performance and a large GPU memory for advanced modules

Server Class CPU : With an AMD EPYC 9005 Series CPU, supporting a large variety of workloads, including general purpose computing, data logging, data acquisition, fusion and filtering

Short Depth : Extremely compact and suitable for in-the-field deployment

Liquid Cooling, Self-Contained : Core components (GPUs, CPUs) are liquid cooled, for maximum efficiency, space saving and noise reduction. Self-contained, no need for external components

Configuration Service : Highly modular design, allows for personalized configurations, including hybrid Logger – Inference (GPU) server ones.

Description

The ReliaPOD 16-10 is a High Performance Edge AI Mini Rack that provides cutting edge performance for industrial AI and GPU accelerated workloads.

Designed to meet the highest level of computational density in a short depth form factor, it delivers consistent performance even under high load and offers reliable operation thanks to industrial liquid cooling. Being self-contained, the ReliaPOD 16-10 does not require external components for cooling: it integrates a liquid to air heat exchanger that dissipates all the GPUs and CPUs.

With two nodes configured with dual NVIDIA H200 NVL GPUs and an AMD EPYC 9005 Series CPU or Intel Xeon 6 Series CPU, the ReliaPOD 16-10 packs exceptional AI acceleration and general purpose processing capabilities: a total of up to 13.000 FP8/INT8 TFLOPS, 240 FP64 TFLOPS with up to 564GB GPU RAM; the ReliaPOD 16-10 is ideal for AI workloads ranging from fast inference to high precision training, and other advanced AI pipelines, such as Agentic AI. The flexibility in configuration options allows to tune the capabilities of the ReliaPOD 16-10 to meet the needs of customer specific requirements.

At only 16U, with a short depth form factor and thanks to liquid cooling, the ReliaPOD 16-10 enables deployment into use cases where extreme density is a must.

The ReliaPOD 16-10 supports both Windows and Linux; Eurotech offers optional professional services to customers seeking more sophisticated preinstalled software configurations.

Eurotech configuration management service allows fine tuning the ReliaPOD 16-10 to meet and exceed your project requirements; call us for more information and more options.

Interested in more mini and full rack configurations? Contact us for a full custom service

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Ordering Code: REPOD-16-10-XX-YY							
Hardware Configuraton (-XX)		-01	-02	-03	-04	-05	-06
SERVER NODES	Total Nodes	2x Server Nodes					
	Type	ReliaCOR 61-12			ReliaCOR 61-13		
	Model	RECOR-61-12-01-YY	RECOR-61-12-02-YY	RECOR-61-12-03-YY	RECOR-61-13-01-YY	RECOR-61-13-02-YY	RECOR-61-13-03-YY
TECHNICAL SPECIFICATIONS [EACH NODE]	CPU	EPYC 9555, 3.2GHz - 4.4GHz (360W)	EPYC 9755, 2.7GHz - 4.1GHz (500W)	EPYC 9965, 2.25GHz - 3.7GHz (500W)	Xeon 6766E, 1.9GHz - 2.7GHz (250W)	Xeon 6732P, 3.8GHz - 4.3GHz (350W)	Xeon 6787P, 2.0GHz - 3.8GHz (350W)
	Cores	64 Cores / 128 Threads	128 Cores / 256 Threads	192 Cores / 384 Threads	144 E Cores / 144 Threads	12 HP / 20 LP Cores / 64 Threads	36 HP / 50 LP Cores / 172 Threads
	CPU RAM	64GB ECC					
	GPU	2x NVIDIA H200 NVL					
	GPU RAM	2x 141GB					
	FP64	2x 30 / 2x 60† TFLOPS					
	FP32	2x 60TFLOPS					
	TF32	2x 835† TFLOPS					
	BFLOAT6 / FP16	2x 1671† TFLOPS					
	FP8 / INT8	2x 3341† TFLOPS					
	OS Disk	1TB M.2 NVMe (PCIe x4)					
	Data	2TB M.2 NVMe (PCIe x4)					
	10Gbps Ethernet	2x 10GbE (RJ45)					
	1Gbps Ethernet	2x 1GbE (RJ45)					
	IPMI Ethernet	1x Dedicated IPMI (RJ45)					
RACK NETWORK	10Gbps Ethernet	12-Port Ethernet L3 Switch, 12 x 10Gb SFP+, 12 x 10GBase-T/Multi-Gigabit, with 2 x 100Gb QSFP28 Uplinks					
COOLING	Technology	1x Liquid to Air Cooler					
	Capacity	4900W Cooling Capacity @25°C Liquid-Ambient Delta					
POWER	Input	Power Input to Rack 48VDC - Internal Power Distribution @240VDC Factory Option: 200-240VAC Power Input to Rack					
	Power Conversion	4800W DC to AC Power Inverter (Not Required with 200-240VAC Power Input Option)					
	Total Power	Approx. 5000W					
ENVIRONMENT	Operating Temp	10 to 35°C					
	Storage Temp	-10 to 70°C					
	Humidity	20 to 90% Relative Humidity (Non-condensing)					
CERTIFICATIONS	Regulatory	CE; Factory Option: SABS					
	Safety	EN62368-1; Factory Option: CB, NRCS LOA					
	Environment	RoHS, REACH					
	Ingress Protection	IP20					
MECHANICAL	Enclosure	Material: Metal; Color: Black					
	Dimensions	16U, 19" Minirack - Approx. 660x700x800mm (WxDxH)					

† Tensor Core

Ordering Code: REPOD-16-10-XX-YY			
Software Configuration (-YY)		-02	-08
OS	RedHat Linux	Yes	-
	Windows Server	-	Yes

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