ReliaCOR 61-11 – Edge AI Server

4U GPU SERVER - 4U - AMD EPYC - Multi GPU - Short Depth

- **High Performance Edge AI Server**
- **Training, Simulation and Inference**
- **Up to 2 High Performance GPUs**
- **Up to 7000 AI TOPS / 192GB GDDR7**
- **AMD EPYC 9005 Series**
- **Configuration Service**

Features

High Performance Edge AI Server : Designed for data acquisition and processing, with support for AI workloads and a range of factory options, such as Field buses (CAN, etc.), frame grabbers, etc.

Training, Simulation and Inference : Many configuration options to support a wide range of AI execution modes

Powerful Data Aggregation and Accelerated AI : With an AMD EPYC 9005 SeriesGen CPU and up to 2x NVIDIA RTX Pro 6000 Blackwell Max-Q GPUs and many expansion options, supports a large variety of workloads, including general purpose computing, data logging, data acquisition, fusion and filtering

Security, Management and Remote Access : Supports Eurotech Edge Framework (ESF) and Cloud (EC), providing many benefits, including remote management and secure data transmission

High Speed, Low Latency Clustering : Provides 2x10GbE + 2x 1GbE to allow efficient networking; additional higher performance networking options are also available

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

Description

The ReliaCOR 61-11 is a high performance Edge AI Server that provides cutting edge performance for industrial Inference and Video workloads.

Designed to deliver consistent performance even under high load, it offers reliable operation thanks to industrial grade ruggedization and a robust power supply.

With up to two NVIDIA RTX PRO 6000 MAX-Q Blackwell GPUs and the AMD EPYC 9005 Series CPU, the ReliaCOR 61-11 packs exceptional inference and video processing capabilities: up to 7000 FP4 TOPS up to 192GB RAM; the ReliaCOR 61-11 is also suitable for RAG, AI Agents, and other advanced AI pipeplines. The flexibility in configuration options allows to tune the capabilities of the ReliaCOR 61-11 to meet the needs of AI execution modes that include training, simulation and inference workloads.

The ReliaCOR 61-11 offers multiple network interfaces for efficient data injection with 2x 10GbE (RJ45) and many options for higher bandwidth/lower latency networking, video capture, synchronization and storage.

The ReliaCOR 61-11 is a great platform for third party AI and Vision software applications, supporting both Windows and Linux.

Eurotech configuration management service allows fine tuning the ReliaCOR 61-11 to meet and exceed your project requirements; call us for more information for more options.

The ReliaCOR 61-11 optionally supports Everyware Software Framework (ESF), a commercial, enterprise-ready edition of Eclipse Kura, the open source Java/OSGi middleware for IoT Edge Gateways. Distributed and supported by Eurotech, ESF provides ready-to-use field protocols (including Modbus, OPC- UA, S7), MQTT connectivity, web-based visual data flow programming and deep configuration. ESF is also integrated with Everyware Cloud (EC), Eurotech IoT Integration platform (separately available), enabling advanced diagnostics, provisioning, and full remote device access and management.

Note: The information in this document may be subject to change without notice and should not be construed as a commitment by Eurotech.
While responsible precautions have been taken, Eurotech assumes no responsibility for any error that may appear in this document.
All trademarks or registered trademarks are property of their respective companies

ReliaCOR 61-11 – Edge AI Server

4U GPU SERVER - 4U - AMD EPYC - Multi GPU - Short Depth

Ordering Code: RECOR-61-11-XX-YY				
Hardware Configuraton (-XX)		-03	-11	-12
PROCESSOR	CPU	EPYC 9475F 3.65GHz 48 Core 96 Threads (400W)	EPYC 9575F 3.65GHz 64 Core 128 Threads (400W)	
AI ACCELERATION	GPU	1x RTX Pro 5000 48GB	1x RTX Pro 6000 Max-Q 96GB	2x RTX Pro 6000 Max-Q 96GB
	AI TOPS	2,064 AI TOPS	1x 3,511 AI TOPS	2x 3,511 AI TOPS
	Single Precision	65 TFLOPS	1x 110 TFLOPS	2x 110 TFLOPS
	RT Core	196 TFLOPS	333 TFLOPS	2x 333 TFLOPS
	CUDA Cores	14,080 Blackwell	24,064 Blackwell	2x 24,064 Blackwell
	GPU Memory	48 GB GDDR7 with ECC (Sparsity)	96 GB GDDR7 with ECC (Sparsity)	2x 96 GB GDDR7 with ECC
CPU MEMORY	RAM	64GB ECC Reg. 5600	128GB ECC Reg. 5600	256GB ECC Reg. 5600
STORAGE	OS Disk	1TB NVMe (PCIe x4)		
	Data	480GB SSD 2.5" SATA		
I/O INTERFACES	Ethernet	2x 10GbE + 2x GbE (RJ45) + 1x Dedicated IPMI		
	USB	2x USB 3.2 Gen1 Ports		
	Video Out	4x DisplayPort 2.1b + 1x VGA		8x DisplayPort 2.1b + 1x VGA
CYBERSECURITY (HARDWARE)	TPM	TPM 2.0		
SYSTEM MANAGEMENT	BMC	Yes		
	BMC LAN	Yes		
EXPANSIONS	Internal Expansion	2x M.2 Key M		
	Internal Expansion	2x MCIO		
	Internal Expansion	4x PCIe x16, 2x PCIe x8		
COOLING	Technology	Active Air		
POWER	Input	1200W	1600W	
ENVIRONMENT	Operating Temp	0 to 35°C		
	Storage Temp	-40 to 70°C		
	Humidity	20 to 90% Relative Humidity (Non-condensing)		
CERTIFICATIONS	Regulatory	CE, FCC, ISED		
	Safety	EN62368-1		
	Environment	RoHS, REACH		
	Ingress Protection	IP20		
MECHANICAL	Enclosure	Material: Metal; Color: Black		
	Dimensions	19"Rack Mount, 4U - 440 x 176 x 468mm (W x H x D)		

Ordering Code: RECOR-61-11-XX-YY				
Software Configuration (-YY)		-02	-03	-08
OS	Eurotech Everyware Linux (Ubuntu-based with Eurotech enhancements)	Yes		-
	Windows	-		Windows Server 2022 (64 bit)
IOT FRAMEWORK	Everyware Software Framework (Java/OSGi)	-	Yes (*)	-

(*) Coming soon – Contact Eurotech

Note: The information in this document may be subject to change without notice and should not be construed as a commitment by Eurotech.
While responsible precautions have been taken, Eurotech assumes no responsibility for any error that may appear in this document.
All trademarks or registered trademarks are property of their respective companies