



# V-RAPTOR™ ALTRA

## High Performance Cloud AI Arm Server

CPU-Optimized / High I/O / Database & Storage

4x Faster AI 

2U

128C

### | Why Cloud Infrastructure Costs Continue to Escalate



A significant of operating expenses is driven by data storage & management.



As data continues to accumulate, infrastructure costs scale accordingly.



For stabilized AI services, managing data becomes more critical than compute capacity.

### | Benefits of XSLAB's Cloud AI Servers



Low-power, high-efficiency CPU architecture for 24/7 uninterrupted cloud operation



Scalable design flexibly supports storage, data-processing, & service nodes



Server platform focused on stability & efficiency, designed for continuous operation env.

The True Cost of AI Business is defined by  
Data, Not Processing Power.

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## System Specifications

### AI Compute Architecture

CPU (Q/M)	Model	Ampere Altra® / Altra® Max
	Core	Up to 128 Cores, 3.0 Ghz
	Instructions	Arm v8.2+, SBSA Lv.4
	Etc.	1 MB L2 Cache / Core, 7 nm

High-performance server can be widely utilized in cloud environments, ranging from storage & data processing to service nodes.

### System I/O

RAM	Type	DDR4, 3,200 MT/s, ECC	Storage	Type 1	2.5" / 3.5", SATA / SAS
	Channels	8 Ch., 16 DIMM (2 DPC)		Type 2	M.2 NVMe®
	Capacity	Up to 4 TB	I/O	Network	10 GbE Ethernet
Manage	Remote	Self-developed BMC based XMAS™		External	USB 3, PCIe® Gen 4

### OS & System Reliability

OS	Ubuntu	Server 20.04 / 22.04 / 24.04	Reliability	Temperature	0°C - 90°C
	Rocky	Linux 8.10, 9.6, 10.0		Usage	Enterprise-grade Reliability

## Inference PoC Support

Configuration & Architecture-Consulting



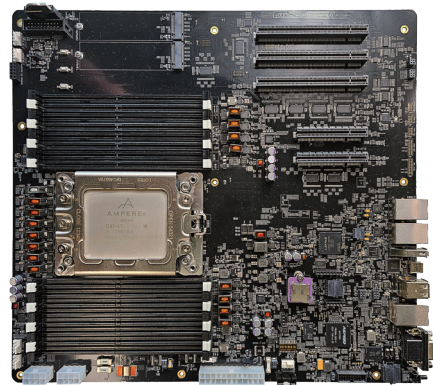
Performance Validation & Benchmarking



Technical Support & Operational Guidance



V-Raptor Altra (Chassis)



V-Raptor Altra (Board)

**X XSLAB 엑세스랩**

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