



V-RAPTOR™ ALTRA^{WS}




High Performance Cloud AI Arm Workstation

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




4x Faster AI 

Chassis Size
449.5 x 492.0 x 223.2mm

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 Adopting XSLAB's Cloud AI Workstations

-  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	High-performance workstation widely utilized in cloud environments, ranging from storage & data processing to service nodes.
	Core	Up to 128 Cores, 3.0 GHz	
	Instructions	Arm v8.2+, SBSA Lv.4	
	Etc.	1MB L2 Cache / Core, 7 nm	

System I/O

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

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



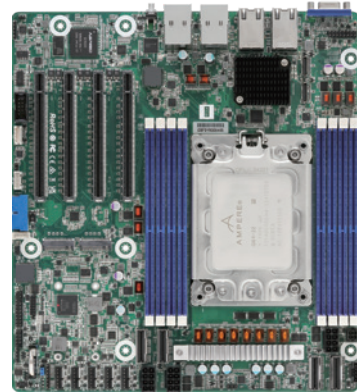
Performance Validation & Benchmarking



Technical Support & Operational Guidance



V-Raptor Altra WS (Chassis)



V-Raptor Altra WS (Board)

X XSLAB 엑세스랩

엑세스랩 주식회사 | XSLAB Inc.

Seoul Office

R-1701, 02, 03, Daeryung Post Tower 8th,
43, Digital-ro 26-gil, Guro-gu, Seoul, Korea.

Jeju Office

402, Dongyeon Tower,
4, Sinhyeong-ro, Jeju-si, Jeju, Korea.

T. +82 02.6952.9974

E. sales@xslab.co.kr



xslab.co.kr