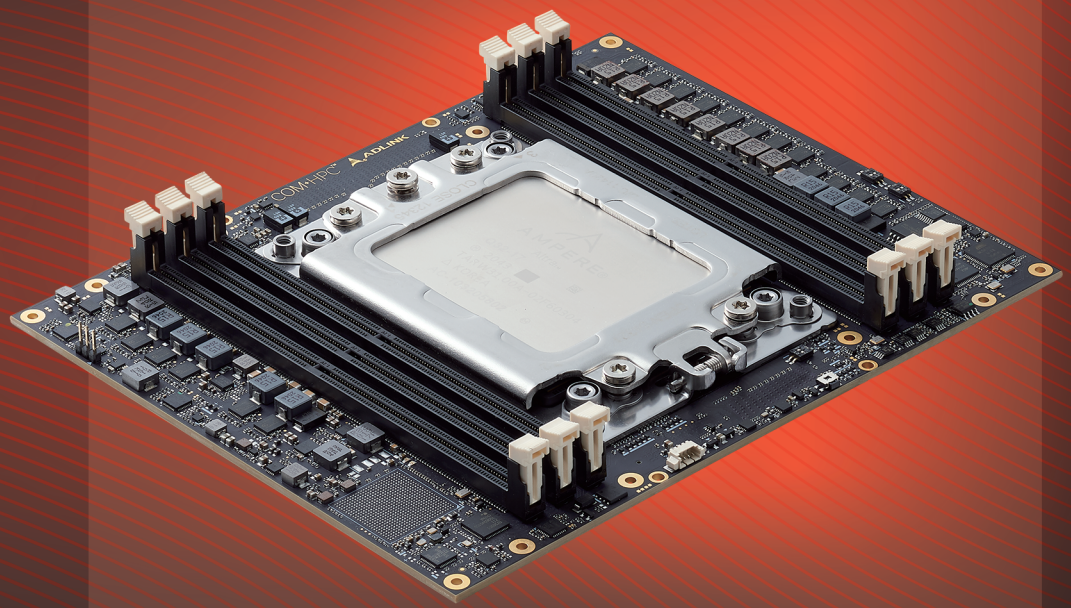
ADLINK
Leading EDGE COMPUTING

Highly Scalable
by Design

COM-HPC-ALT

Ampere® Altra® SoC on COM-HPC Server Type Module



Backed by a broad Arm® ecosystem with an Ampere® Altra® SoC at its core, the COM-HPC Server Type module provides premium performance from a cloud-to-edge infrastructure, keeps an extremely low thermal envelope, lower TCO, and significantly lower power consumption than x86 designs.

It supports the open source EDKII as bootloader with UEFI, so customers can just download a stock AArch64 (arm64) ISO such as Ubuntu and install it through booting a live ISO directly on the target. The same convenience we have become used to by using x86 / amd64 target systems.

- 32 to 128 Arm Neoverse N1 Cores
- 40W to 150W TDP
- Up to 768GB DDR4
- 64 PCIe Gen4 Lanes
- edk2 + TianoCore/UEFI

COM-HPC®

AMPERE™ Altra®

arm SystemReady SR CERTIFIED V2.0

adlinktech.com/en/COM-HPC-Server-Type

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Ampere Altra Developer Platform



Ampere Altra Developer Rugged



Ampere Altra Dev Kit

Purchase at
www.ipi.wiki

Key Features

- Predictable Performance
- High Scalability
- Enhanced Power Efficiency
- Reduced TCO

Ampere Altra Processor

Ampere Altra delivers consistently high performance across users and workloads, that elastically scales in a linear fashion for all the cloud native applications. The architecture also lends itself to high utilization and delivers consistent performance under maximum load conditions.

ADLINK COM-HPC-ALT

Specifications

CPU	Ampere Altra / Altra Max M128-26 M96-28 Q64-22 Q32-17
MEMORY	768 GB DDR4 at 3200/2666 MT/s
BIOS Type	TianoCore EDK II
Ethernet KR	Up to 4x 10GBASE-KR
NBASE-T Ethernet	GbE (Intel i210)
Remote Management	IPMB (via MMC, opt.) Dedicated PCIe_BMC lane
PCI Express	64 PCI Express Lanes : 3x PCI Express x16 Gen4 (x16, x8, x4) 2x PCI Express x8 Gen4 (x8, x4, x2)
USB	4x USB 3.X/2.0
Serial ATA	-
TPM	TPM 2.0
Management Bus	2x I²C, SMBus
Embedded Features	EAPI/SEMA, Debug/JTAG
Power Supply	12 V / 5Vsb ±5% (ATX) 12V ±5% (AT)
Operating Temperature	Standard: 0°C to 60°C
Form Factor & Compatibillity	PICMG COM-HPC: Rev 1.0 Server Type size E: 200 x 160 mm
OS Support	CentOS debian fedora Ubuntu yocto

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