

Company Overview

2015

Company founded to develop next-gen VPU

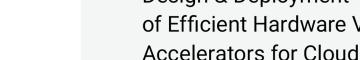


Vancouver, HQ R&D Toronto, R&D

160+

Senior Engineers from top-tier IC design companies **20**

Average years experience for our architects













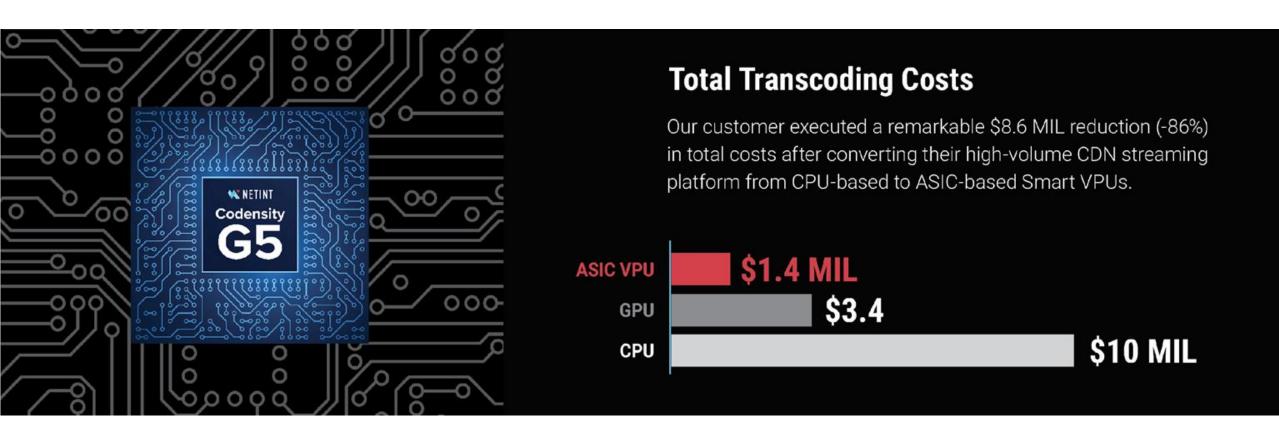








Video Processing Units have a single purpose: Process video.



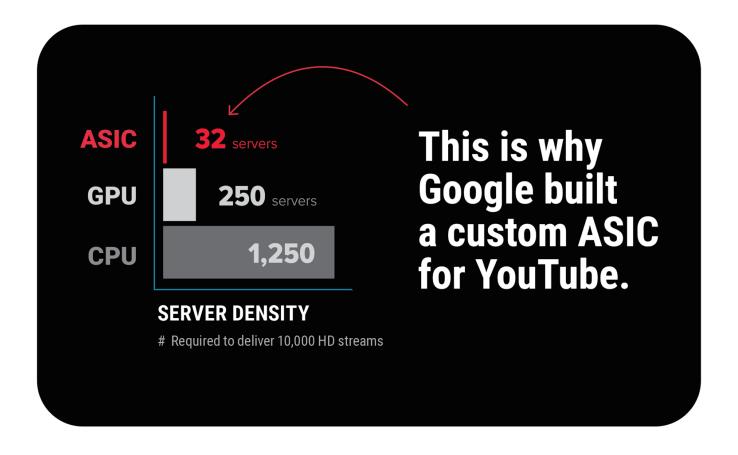




"There are two types of companies in the video business.

Those that are using video processing ASICs ... and those that will."

David Ronca
Video Encoding Expert, Meta
(Formerly from Netflix)



Titans already pivoted to ASICs

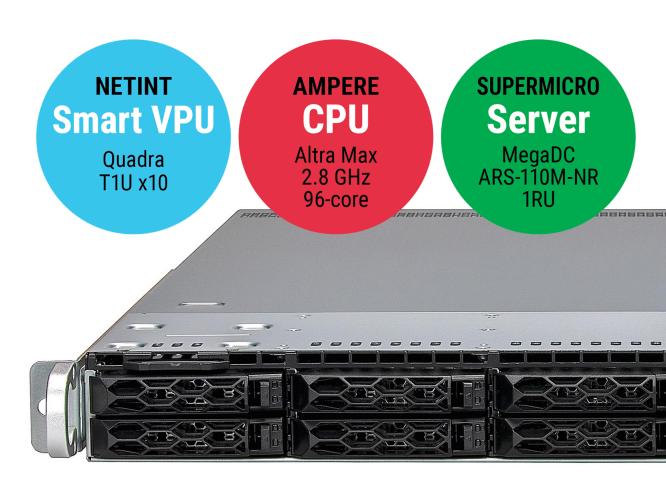
For everyone else, we built one for you.



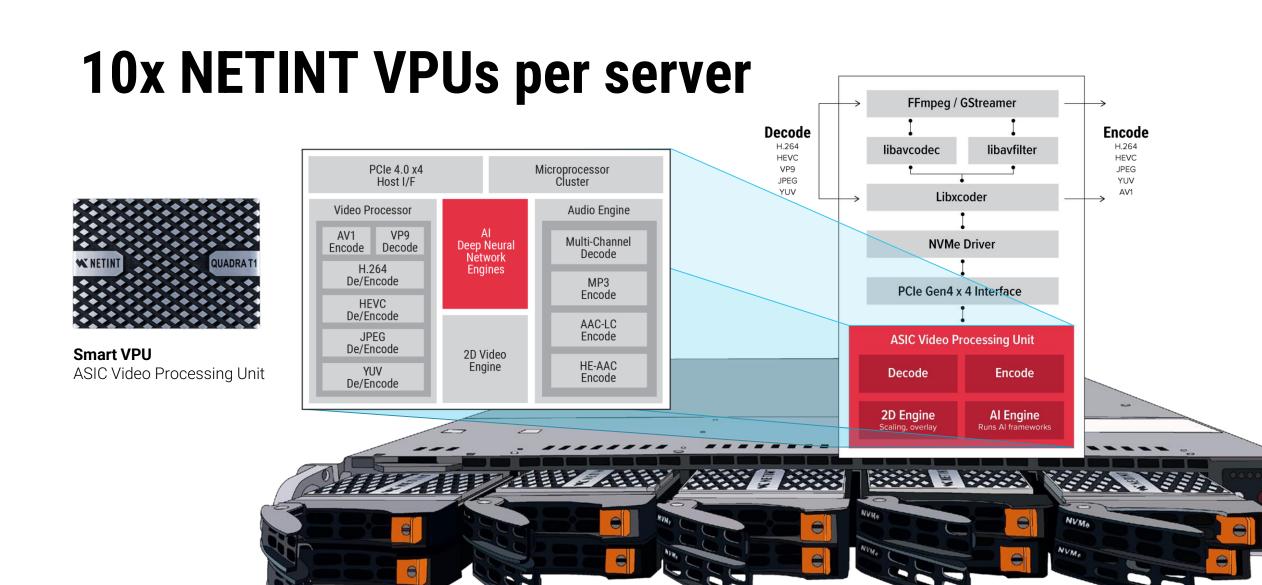
Quadra Video Server

Ampere Edition

- HEVC, H.264 & AV1 encoding
- Up to 8K resolution, 10-bit HDR
- Al enhanced productivity
- 320 1080p30 live streams







Built for High Volume

Significant advantage-

- 1. Offloads video processing for deinterlacing, decoding, and advanced transcoding.
- 2. Quadra VPUs boost throughput by 20x while reducing costs -80%.

Enterprise application integration-

- Real-time captioning with OpenAI/Whisper
- Dynamic ABR packaging
- Streaming orchestration
- Content management
- Other Al applications





Ampere® Altra® Max

Arm Processor



- 96 cores | 128 cores
- · Coherent mesh-based interconnect
- High-memory bandwidth and density

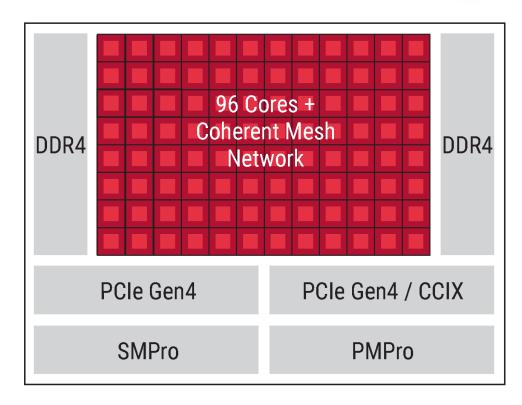
High Scalability

- Industry leading power/core
- Cache-coherent multi-socket support
- Flexible I/O connectivity

Power Efficiency

- Advanced system, security and power management
- Monolithic die on leading 7nm process
- Leading power/core

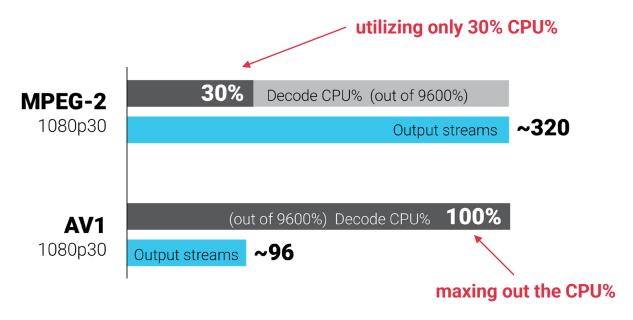


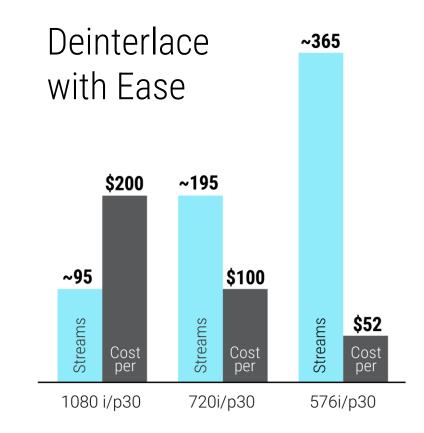




Examples: What 96 Cores Can Do For You

Decode MPEG-2 and AV1 @ 1080p



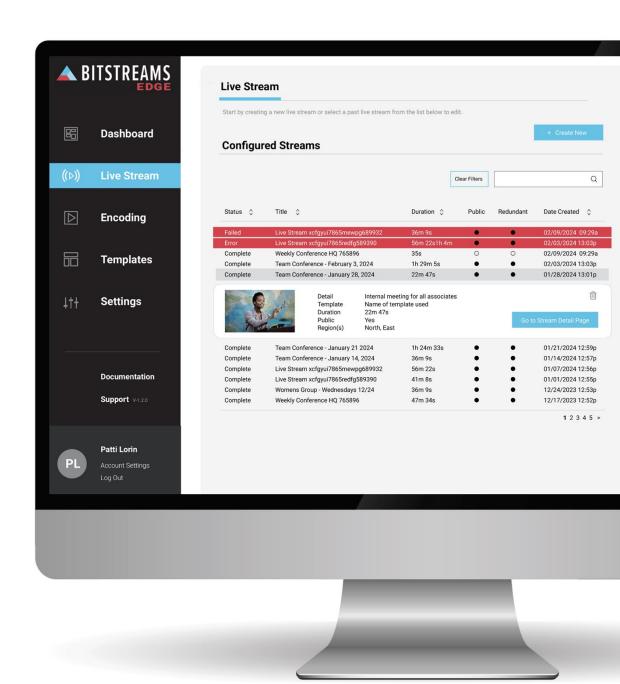




Goodbye FFmpeg. Hello, friendly face.



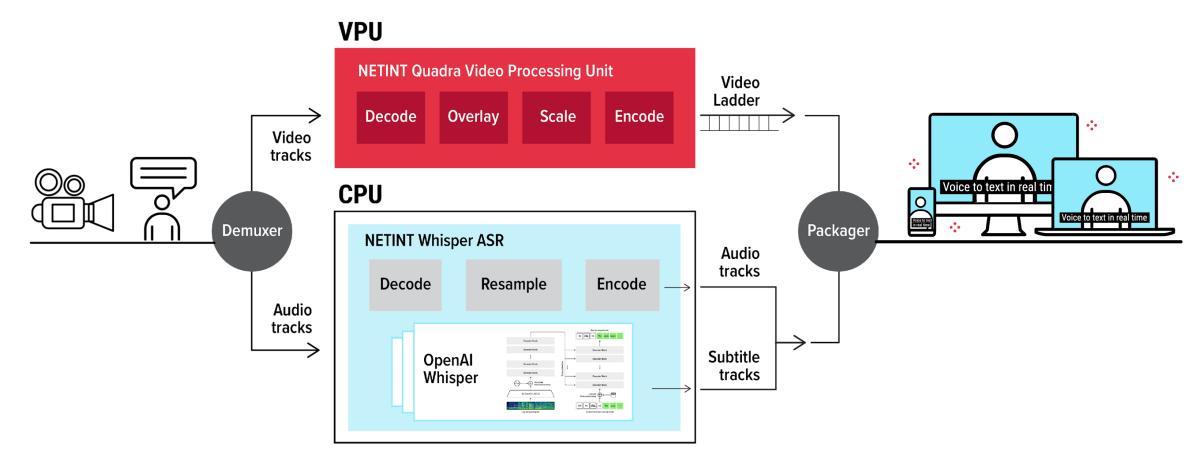
- Simplified to configure and distribute live streams without touching complicated FFmpeg command lines.
- Preconfigured templates help you manage and monitor your workflow through our web app or an integrated API.



NETINT unveils
Al-powered subtitling
to increase content comprehension
for live streaming platforms.

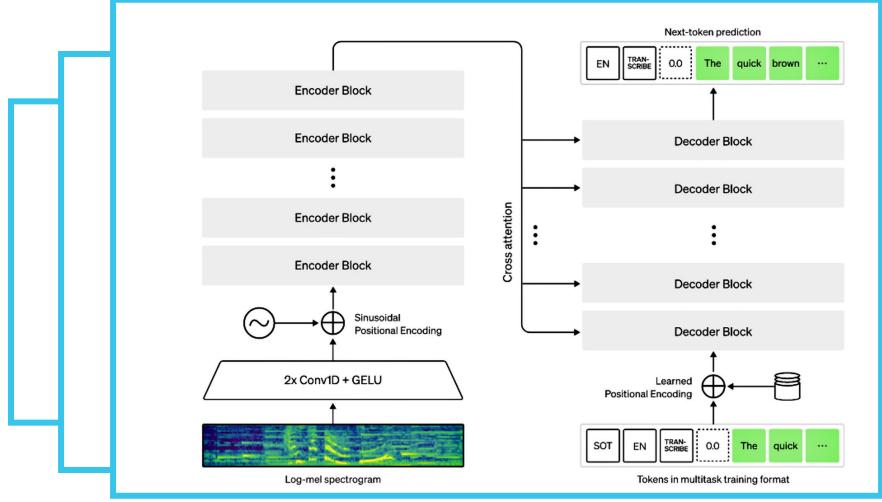
OpenAl Whisper

NETINT Whisper ASR Workflow





OpenAl Whisper Functional Blocks





Next level engagement for streaming audiences

OpenAl's whisper feature is the game changer in real-time, text subtitling.

- Al generated captions enhances accessibility and comprehension
- Immediate translations remove language, accent barriers and frustration for non-native speakers
- Live events become more inclusive and interactive engaging wider audiences with dynamic translations

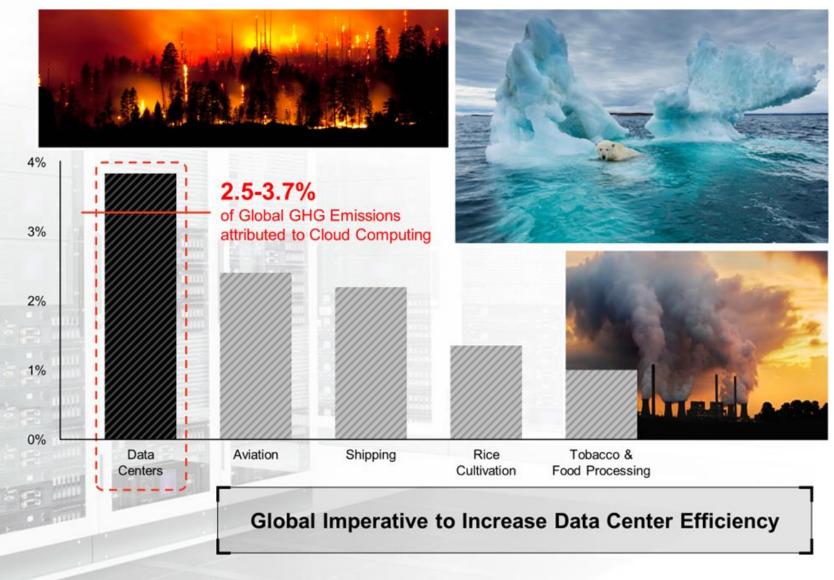




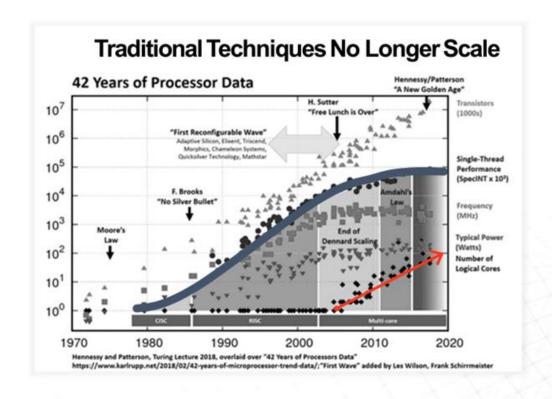


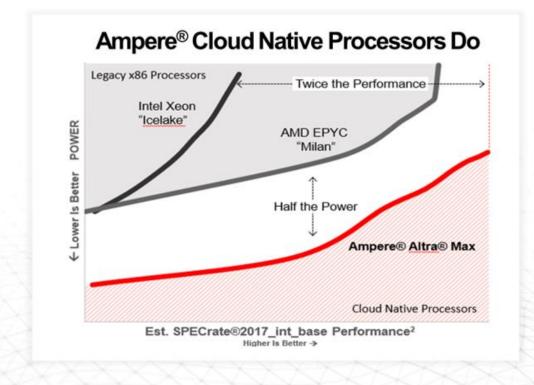
The Time is Now

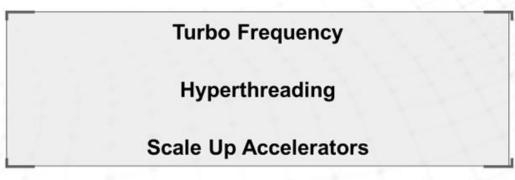




Ampere® Cloud Native Processors: Reducing Power by up to 50%







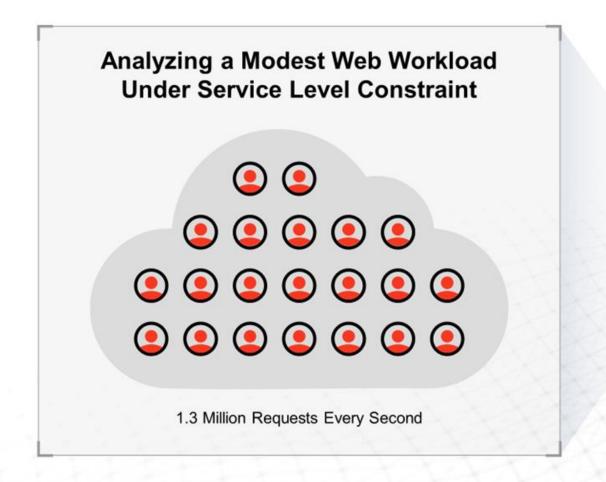
Paradigm Shift

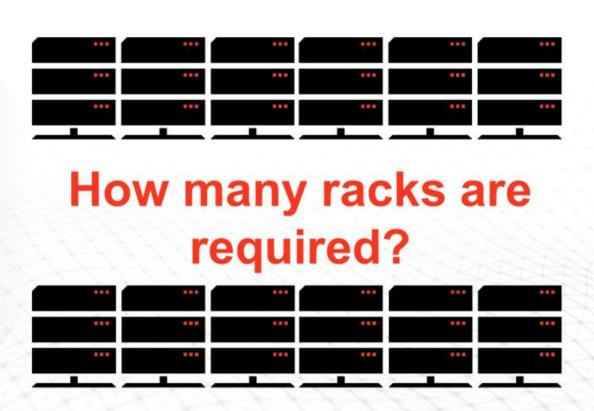
Power Optimized, Consistent Performance

Linear Core Scaling

High Performance, General-Purpose Cores

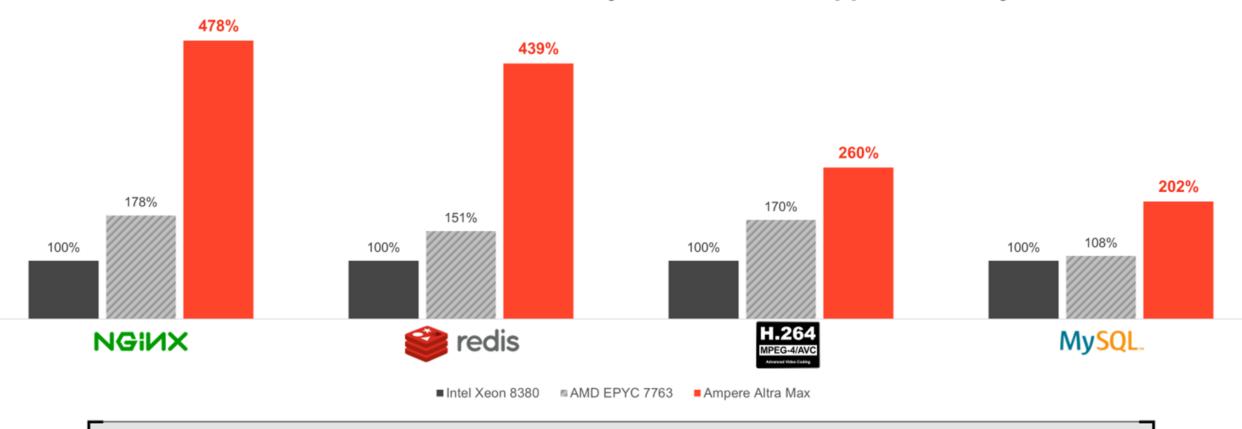
A Real-World Video Heavy Web Service @ Scale





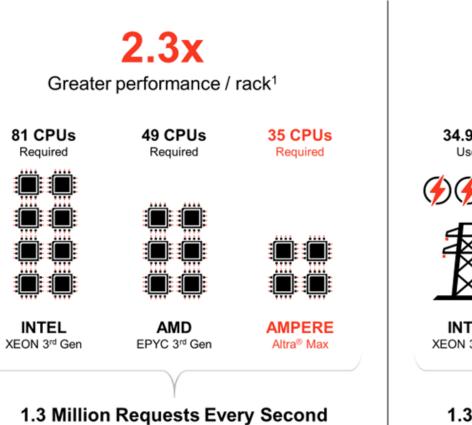
Model Video Rich Web Service Components

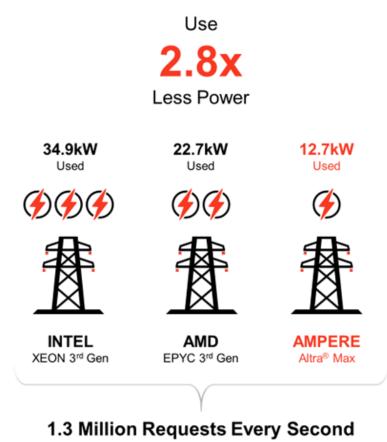
Performance/W for Major Web Service Application Layers

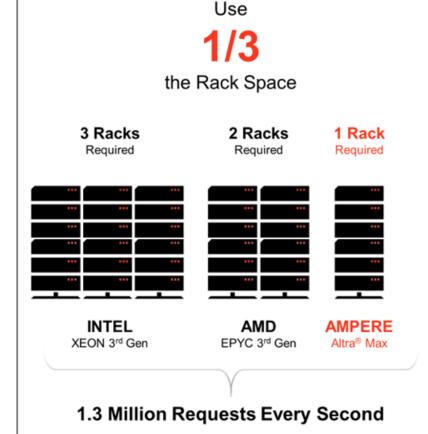


Unprecedented Energy Efficiency Demonstrates the Value

Leadership Today in Rack Efficiency





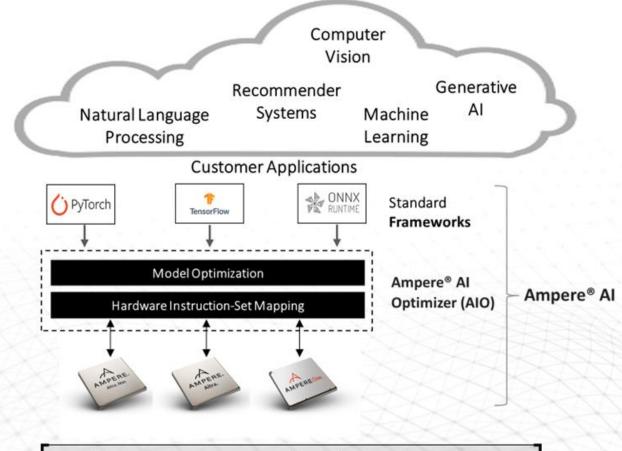


Save Money. Save Power. Save Space. Do More with Less.

The Ampere GPU-Free Al Inference Class of Server

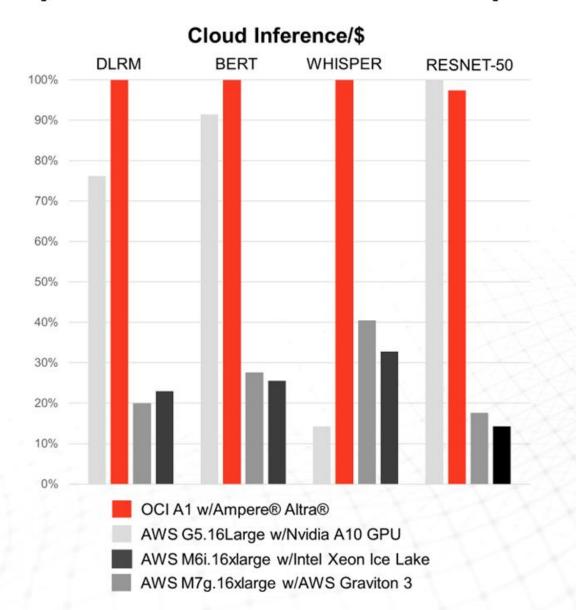


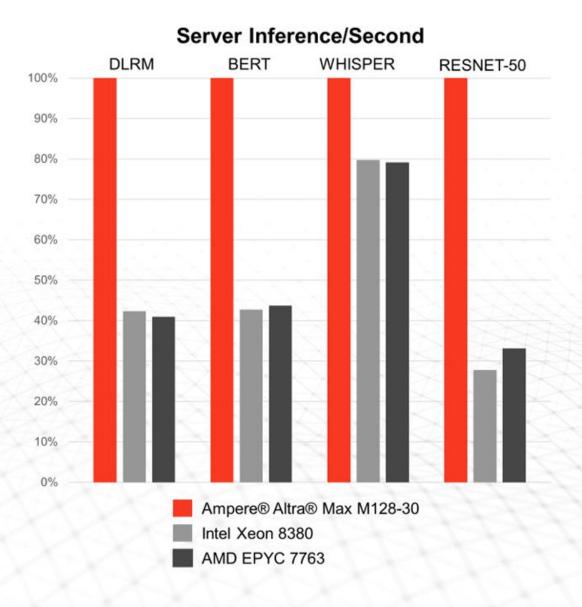
Optimized for AI Inference



Open Frameworks, Acceleration, Disruptive Performance

Ampere® AI: GPU Free Leadership Inference Performance





Thank You



The New Quadra Video Server

Ampere Edition

NETINT Smart VPU

Quadra T1U x10 AMPERE CPU

Altra Max 2.8 GHz 96-core SUPERMICRO Server

MegaDC ARS-110M-NR 1RU

