Ampere's Mission:
Deliver the New Standard for Cloud and Edge Servers
With High Performance, Power Efficiency and Better Total Cost of Ownership

Growth in the server market has increased significantly as many workloads supporting data storage, artificial intelligence and rich content are moving to the cloud at unprecedented speed with growth projected to escalate. Yet, the majority of today's cloud infrastructure is still using 30-year-old processor technology. To address the requirements of the modern cloud, Ampere has designed the industry's first server microprocessor architecture from the ground up. Its 64-bit Arm processors deliver performance, scalability, security, and power efficiency that is uniquely focused on today's hyperscale cloud and edge computing workloads and applications.

Renee James, a semiconductor industry veteran, founded Ampere in 2018 and is the company's Chairman and CEO. Since the founding she has assembled a world-class technology and engineering team. Together they have invented the forward-looking solution that cloud providers need for what comes next in cloud-based processor technology.

With an experienced technical team and a superior design methodology, Ampere is laser focused on innovating cloud technology. Along with the thriving and diverse Arm software ecosystem and strong partnerships, Ampere is bringing a new standard to the hyperscale market — a market where highly-scalable processing capability and reduced power consumption can translate into hundreds of millions of dollars in profits and savings to customers. By providing a new level of predictable performance and efficiency, Ampere enables hyperscalers to focus on growing their cloud services with underlying server infrastructure that can handle today's compute demands.

Technology and Products

Ampere's focus on the cloud is an important differentiator. While other server processor solutions are burdened with legacy technology that does not apply to the cloud, Ampere's chips are free from these constraints. As a result, Ampere delivers the highest core count, deterministic performance, leading power efficiency, scalability across the entire platform, and cloud-focused security. Ampere also works with the open source community to drive cloud native technologies forward and to ensure broad compatibility throughout its product line.

With a strong multi-generation product roadmap, Ampere products are the only solutions today designed specifically for the cloud. Singularly focused on this market, Ampere server CPU products are razor sharp in meeting the rapidly changing needs of today's data center and cloud providers.

- **Ampere Altra™** — the industry's first 80-core server CPU and the first cloud native CPU for modern cloud and edge computing data centers, providing predictable high performance, security isolation, extreme scalability and leading power efficiency for data analytics, artificial intelligence, databases, storage, telco cloud, edge computing, web servers and cloud native applications.
- **Ampere eMAG®** — delivering industry-leading TCO value, high-performance compute, high-memory capacity, and rich I/O to address general-purpose applications such as web hosting, containers, storage, and telco/edge cloud.

FOUNDED IN OCTOBER 2017

Chief Executive Officer:
Renée James

Leading Provider of 64-bit Arm Server Processors

Key Differentiator:
Built for the cloud and edge, free from legacy constraints

Flagship Product:
Ampere Altra

Headquarters:
Santa Clara, CA

Locations:
California, Oregon, North Carolina, Vietnam, China, Taiwan, India

Key Partners:
Arm, Foxconn, TSMC