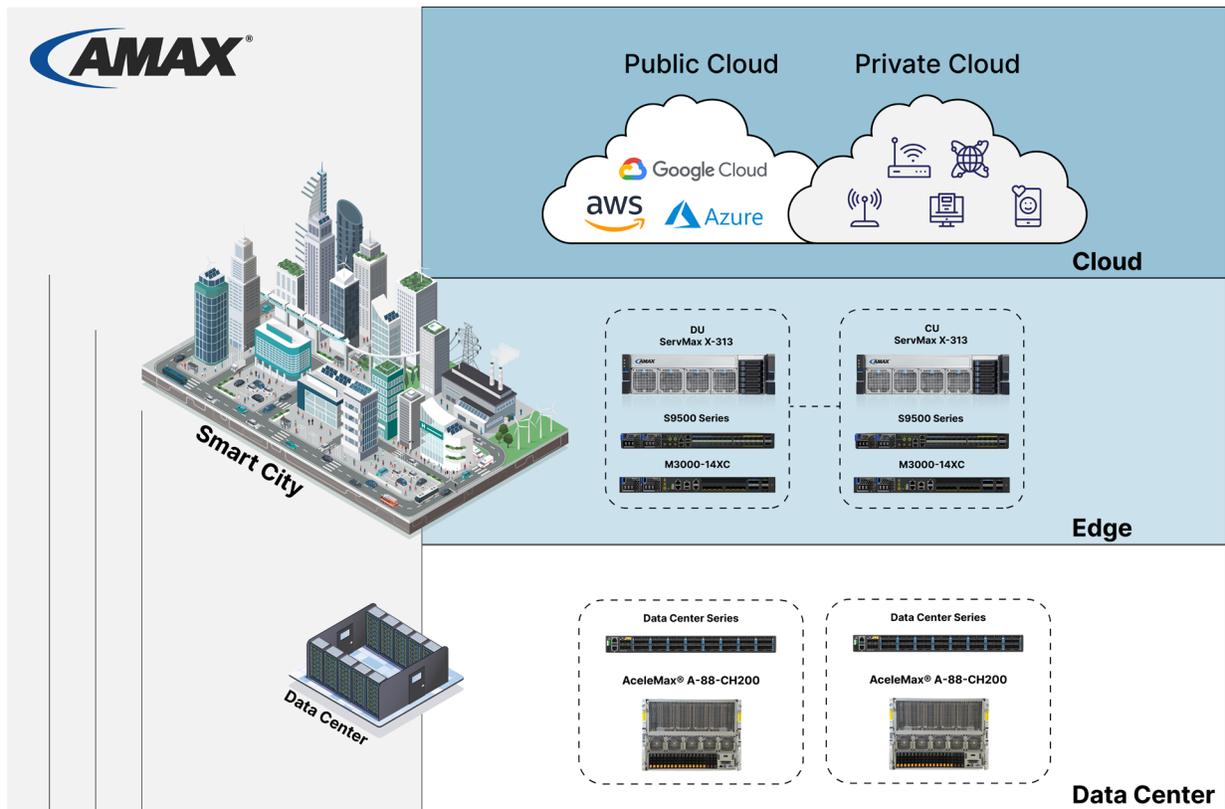# Edge to Core Computing

End-to-End AI Edge Solutions

The growing demands of AI in telecommunications highlight the need for edge solutions equipped with advanced GPUs, higher core counts, and greater thermal design power to effectively manage rising AI workloads. AMAX engineers total solutions that deploy AI capabilities directly at the edge, streamlining data processing and supporting scalable growth across the telecommunications sector.

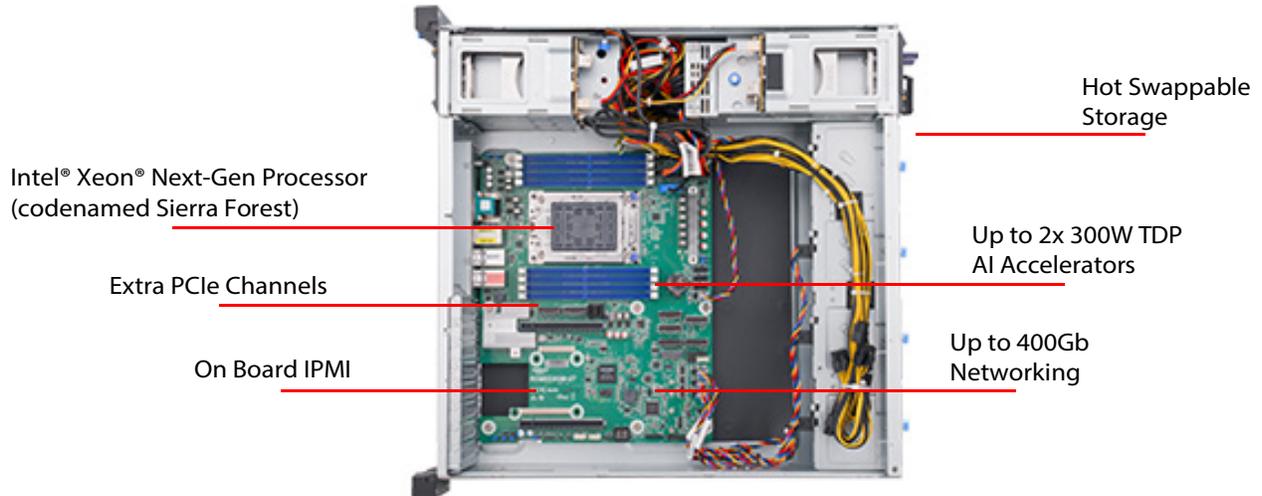AMAX is pushing the boundaries of AI deployment across Edge-to-Core computing:

- **AMAX AI Data Center Series:** Designed for enterprises, edge, and Tier 2 cloud providers, AMAX AI Data Center solutions feature 400Gb high-performance computing fabric and fat tree or spine-leaf architecture. Ideal for handling the dynamic requirements of emerging AI workloads, our solutions offer the flexibility and efficiency needed to adapt to the changing demands of telecommunications.

- **AMAX AI Edge Series:** These open access routers gives service providers with the flexibility to construct transport networks. With Class C timing accuracy and various network interface options, AMAX AI edge solutions facilitate the strategic placement of UPF, MEC and 5G-CP functions within private 5G/B5G networks. The M3000-14XC Fronthaul Multiplexer excels in delivering data and services by merging multiple Radio Units into virtual cells. It empowers telecoms and service providers to make more efficient use of CU/DU resources and extend the radio coverage, thereby optimizing service reach and streamlining network operations.

AMAX // SOLUTION BRIEF

AMAX AI Edge Solutions for Telecommunications

AMAX's **ServMax X-313** & **ServMax X-212** Carrier Grade General Purpose GPU Edge computing servers incorporate up to the latest NVIDIA H100 Tensor Core GPU processors customized for edge AI workloads. Purpose-built for high-performance workloads each solution enhances resilience, scalability and network efficiency.

3U 450mm Ultra-Short Intel GPGPU Edge Computing Server

Hot Swappable Storage

Intel® Xeon® Next-Gen Processor (codenamed Sierra Forest)

Extra PCIe Channels

On Board IPMI

Up to 2x 300W TDP AI Accelerators

Up to 400Gb Networking

Specifications	ServMax X-313	ServMax X-213
Processor	• Intel® Xeon® Next-Gen processor (codenamed Sierra Forest)	
GPU	• 2x NVIDIA H100	
Memory	• 32x DDR5 DIMMs per processor • RDIMM modules up to 96GB supported • 3DS RDIMM modules up to 256GB	
Storage	• 2x SlimSAS with 8 x SATA 6Gb/s ports • 2x 7-pin SATA 6Gb/s ports • 1x M.2 (2280/22110) • Intel® SATA RAID 0/1/10/5	
Expansion Slots	• 5x PCIe Gen5 x16 and x8 FHFL slots	• 7x PCIe Gen5 x16 FHFL and x8 slots
System Management	• On-Board ASMB11-iKVM • 1 x TPM header with SPI interface • 1 x IPMI 2.0 • 1 x 10/100/1000 management LAN	
Networking	• Integrated 2x 10Gbase-T RJ45 NIC	
Power Supply	• Redundant 1600W CRPS	
Environment	• Operation temperature: 10℃ ~ 40℃ • Operation humidity: 8% ~ 80% • Non operation temperature: -40℃ ~ 60℃ • Non operation humidity: 20% ~ 95% (Non-condensing)	
Dimensions	• 131 x 438 x 450mm, 5.15" x 17.24" x 17.72"	• 87 x 438 x 450mm, 3.43" x 17.24" x 17.72"
Form Factor	• 3U	• 2U