

SAPEON

Stellar TCO™ · Zero-touch™ · ultimate inference at scale

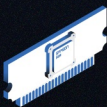
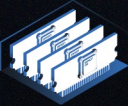


One tiny spark for the chip,
a quantum leap for the **AI inference**

X330 Specifications

			
		X330 Compact	X330 Prime
Precision		INT8, FP8, FP16	INT8, FP8, FP16
FP8 / FP16 Performance		367 / 184 TFLOPS	734 / 368 TFLOPS
Memory	Type	GDDR6 X 8 (ECC)	GDDR6 X 16 (ECC)
	Capacity	16 GB	32 GB
	Bandwidth	256 GB/s	512 GB/s
Host interface		PCIe Gen5 16 Lane	PCIe Gen5 16 Lane
TDP		75~120 W	250 W
Form factor		FHHL Single	FHFL Single

Product Lineup

	CUSTOM CHIP	X300 Auto* AUTOMOTIVE
	CHIP (Edge deployment)	X300 Edge* ROBOT AI CAMERA
	CARD (PCIe)	X330 / X220 COMPACT-Single Chip PRIME-Dual Chip
	SERVER	x86-Based SMCI DELL ETC
	SERVING PLATFORM	Artiference K8S PLUG-IN

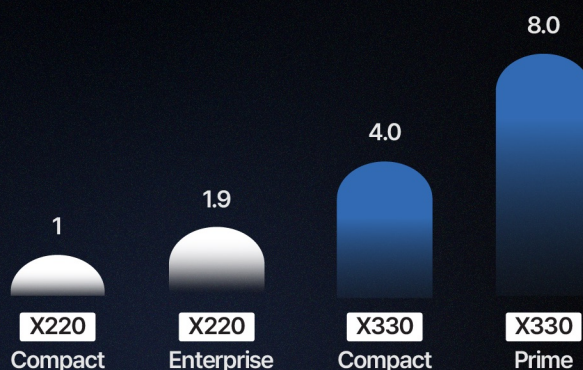
*Note: The 'Rebranding Name' is currently under review
The final name will be confirmed by early 2024

Industry leading performance for AI inference

MLPerf benchmark v2.1 – Inference: Data center
SAPEON estimation

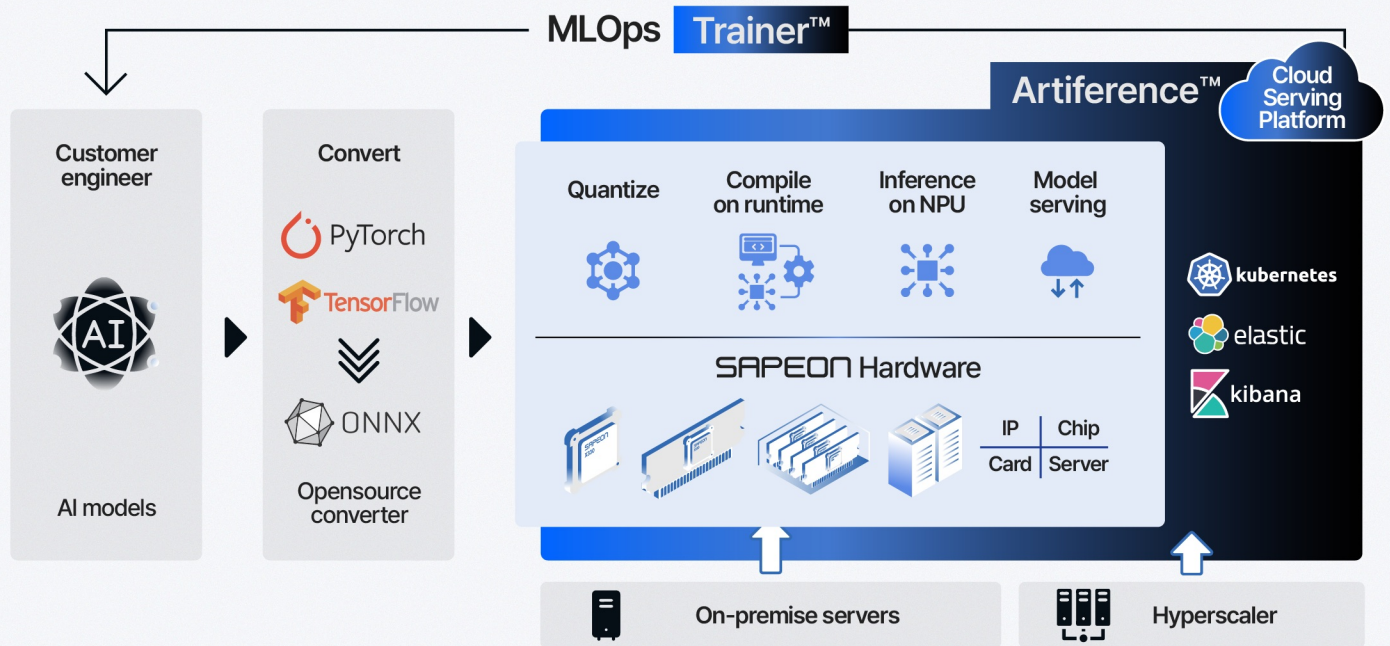


ResNet-50 v1.5 performance



Zero-touch™ AI full stack

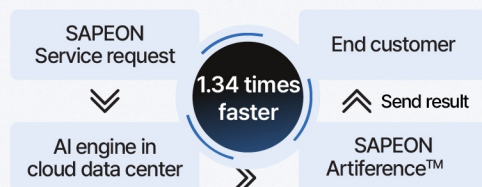
Public release in 2024



Field proven accomplishment

Data center Cloud

Commercialized with NHN, Korea's biggest data center provider



Applied SAPEON compact/enterprise/prime server and improved the performance of multiple SAPEON-based Cloud AI solutions across the industry

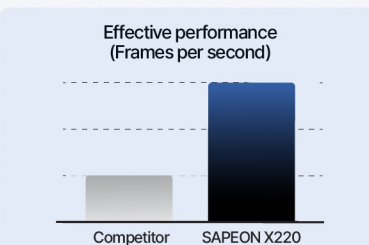
Vision

Security



Video surveillance system

With SAPEON X220, enhance performance of AI video surveillance system with lower power consumption



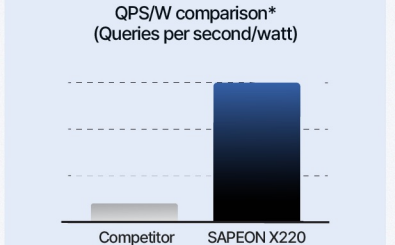
Language, BERT

Cybersecurity



SPAM/Fraud message detection

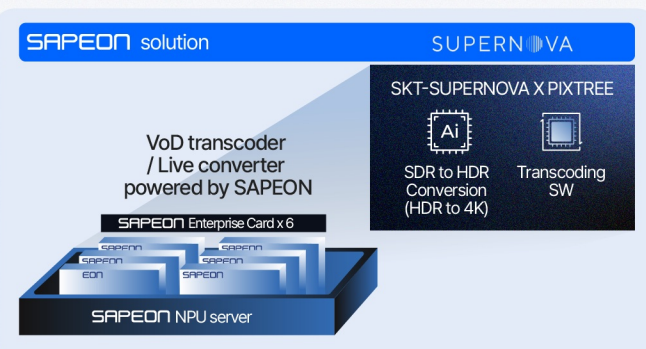
Applied to SPAM/Fraud message detection service with SKT



*Based on INT8, compared to Tensor RT

Vertical solution provider

Media



"Better performance at competitive price"

Robot

Applied VLAM* solution to operate AGV / Service robot & Navigation application

SAPEON Location using SKT VLAM solution

- Step 1 3D Mapping H/W
- Step 2 Mapping Platform
- Step 3 Localization Platform
- Step 4 Client S/W



Industrial Applicability
(Robot autonomous mobility / Navigation)
*VLAM: Visual Localization And Mapping