



**ARAVision**

# Cheetah Chaser 1U CPU Overclocked HFT Server

The fastest market making & cancel order HFT Server on earth

## Key Features

- \* Can effectively improve your market making & cancel order speed
- \* 8/10/12 CPU cores (8 P-cores & 0/2/4 E-cores), all P-cores frequency are optimized for 4.9GHz, 2/4 E-cores for OS & back-ground processes
- \* Excellent liquid-cooled and thermal flow only in 1U form
- \* Most 4 x high-speed I/O slots for different AP designed architectures
- \* Up to 70%~90% performance than traditional general purposed server
- \* Considerations for global environmental protection & sustainable use
- \* Liquid-cooled model downgrade to air-flow cooling model for IT using (We provide downgrade suites, can help you do that for free)

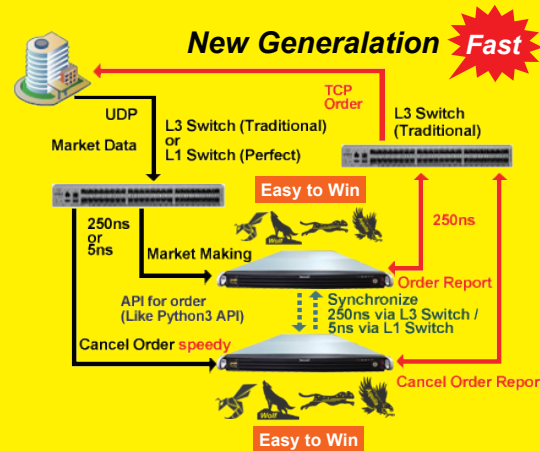
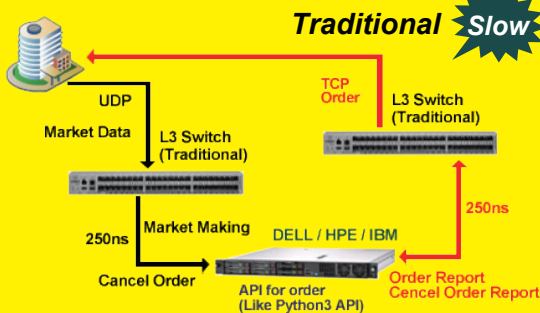
All with 8/10/12 physical cores, provide liquid-cooled 1U architecture

- ▶ **Cheetah Chaser** all P-cores can be running at 4.9GHz cpu frequency, 2/4 E-cores can be running at 3.9GHz cpu frequency
- \* Memory frequency at least 4800MHz via DDR5 type



## Cheetah Chaser

Form Factor	1U chassis with rail kit
Processor	<b>Cheetah Chaser</b> Intel Core i9-12900K (Alder Lake) 8P+8E cores 30MB cache base 3.2GHz CPU freq. x1 (All P-cores are 4.9GHz CPU frequency on liquid-cooled operation) Provide 3 models for different purpose choice : (1) Chaser-12K908 : Pure 8P cores, total 8 cores (2) Chaser-12K910 : 8P+2E cores, total 10 cores (3) Chaser-12K912 : 8P+4E cores, total 12 cores
Chipset	Intel W680
Memory	64GB (32GBx2) DDR5-4800 LP DIMM (Max. 128GB)
Expansion Slots	PCI-E 3.0 x16 slot x2 (can be optioned to 4) (speed for x8/x8/x4/x4) * Can be changed to PCI-E 5.0 x16 slot x2 (speed for x8/x8) for option in the future
SSD	500GB NVMe M.2 PCI-E SSD x1 (Max.3) * Option : M.2 SATA SSD board kits (Max.2)
HFT I/O Card	Solarflare X2522-25G-Plus or SFN8522-Plus ultra low latency NIC x1 (option for more)
Input / Output	ASPEED AST2600 Dedicated IPMI RJ45 LAN port x1 On-board with RJ45 LAN port x1 (1Gbps x1) * Option : Additional 1Gbps RJ45 LAN port x 1 USB 3.0 port x1 (Rear), USB 2.0 port x2 (Front) VGA port x1 * Option : COM port x1
Power Supply	750W high efficiency redundant PSU platinum level
OS	Preinstall optimized CentOS Linux 8 * Option : Red Hat Enterprise Linux 8.x, Windows Server 2022
Warranty	2 years hardware warranty (liquid-cooled edition) 1 year on-side service. (limited in Taiwan)



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中華民國(臺灣)專利 Patents of Republic of China (Taiwan)

專利號碼 (Patent No.): 發明第 **I777641**、號新型第 **M618657** 號、 新型第 **M620968** 號

中華人民共和國新型專利 Patents of P.R.O.C (China)

專利號碼 (Patent No.): **ZL 2022 2 0562480.0**、 **ZL 2022 2 0538828.2**

德國新型專利 Patents of Germany

專利號碼 (Patent No.): **20 2022 103 531**

欲瞭解更多相關資訊，歡迎與我們連繫：(02)2912-0128



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