



ARAVision

Cheetah Chaser SE 1U CPU Overclocked HFT Server

The best stable & fastest HFT Server on earth

Key Features

- * Can effectively improve order & market making & cancel order speed
- * 8/10/20 CPU cores (8 P-cores & 0/2/12 E-cores), all P-cores frequency are optimized for 5.5GHz, 2/12 E-cores for OS & back-ground processes or special purpose demands (like risk managements, etc.)
- * 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 to do that for free)

All with 8/10/20 physical cores, provide liquid-cooled 1U architecture

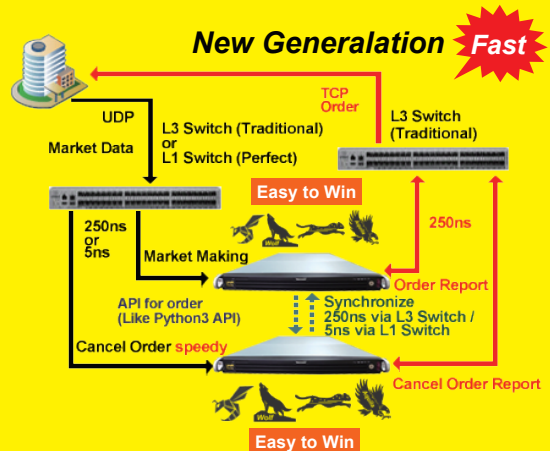
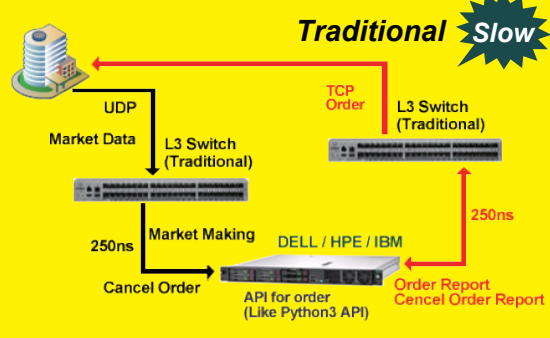
- Cheetah Chaser SE all P-cores can be running at 5.5GHz cpu frequency, 2/12 E-cores can be running at 4.3GHz cpu frequency

* Memory frequency at least 5200MHz via DDR5 type



Cheetah Chaser SE

Form Factor	1U chassis with rail kit
Processor	Cheetah Chaser SE Intel Core i9-13900K (Raptor Lake) 8P+16E cores 36MB cache base 3.0GHz CPU freq. x1 (All P-cores are 5.5GHz CPU frequency on liquid-cooled operation) Provide 3 models for different purpose choice : (1) Chaser-13K908 : Pure 8P cores, total 8 cores (2) Chaser-13K910 : 8P+2E cores, total 10 cores (3) Chaser-13K920 : 8P+12E cores, total 20 cores
Chipset	Intel W680
Memory	64GB (32GBx2) DDR5-5200 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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