



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

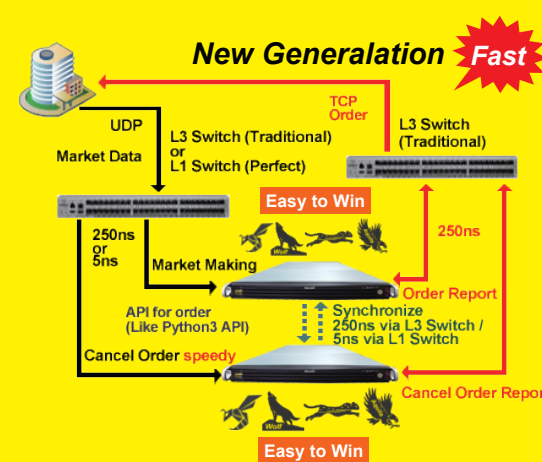
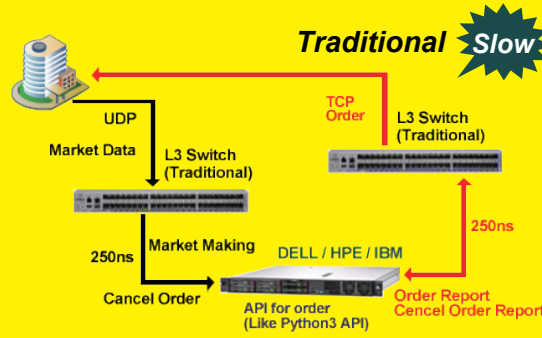
► Cheetah Chaser all P-cores can be running at 4.9GHz cpu frequency, 2/4 E-cores can be running at 3.9GHz cpu frequency

* Memory frequency at least 4800MHz via DDR5 type



Cheetah Chaser

Form Factor	1U chassis with rail kit
Processor	Cheetah Chaser 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)
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 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
 日本新型專利 Patents of Japan
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