



ARAVision

Wolf Warrior SE 1U CPU Overclocked HFT Server

For heavy trading strategies, ordering services & for WIN

Key Features

- * Developed to provide brokerages have a more stable & faster platform
- * Can effectively improve your ordering service or risk control speed
- * Provide 24 CPU cores, all cores are optimized for max. 5.0GHz turbo ratio
- * Excellent liquid-cooled and thermal flow only in 1U form
- * Most 3 x high-speed I/O slots for different AP designed architectures
- * Up to 60% ~ 80% 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)



With all 24 physical cores, 45MB L3 Cache (formerly Sapphire Rapids)

- ▶ **Normal usage** for strategies, or ordering service for normal number of traders
Recommend the **scenario 1** for all cores CPU freq. 4.8GHz (5.0GHz turbo ratio)
 - ▶ **Heavy usage** for strategies, or ordering service for very large number of traders
Recommend the **scenario 2** for all cores CPU freq. 4.7GHz (4.9GHz turbo ratio)
- * Memory frequency at least 5600MHz via DDR5 ECC Registered DIMM

Wolf Warrior SE

Form Factor	1U chassis with rail kit
Processor	Wolf Warrior SE-9524X Intel Xeon W7-2495X (Sapphire Rapids) 24 cores 45MB cache base 2.5GHz CPU freq. x1 (All cores are 4.8GHz (turbo 5.0GHz) / 4.7GHz (turbo 4.9GHz) CPU frequency on liquid-cooled operation) Provide 2 scenarios for different workload & service choice : (1) all 24 cores for CPU freq. 4.8GHz (5.0GHz turbo ratio) (2) all 24 cores for CPU freq. 4.7GHz (4.9GHz turbo ratio)
Chipset	Intel W790
Memory	128GB (32GBx4) / 256GB (64GBx4) / 512GB (64GBx8) DDR5-5600 LP ECC Registered DIMM (Max. 2TB)
Expansion Slots	PCI-E 3.0 x16 slots x3 (speed for x16/x16/x16) * Can option the upgrade suits to PCI-E 4.0 x16 slot x3 (speed for x16/x16/x16) for special need, like X3522
SSD	1TB / 2TB Gen.4 NVMe M.2 PCI-E SSD x1 (Max.2) M.2 SATA SSD board Kits (Max.2, optional)
HFT I/O Card	Solarflare X3522, X2522-25G-Plus or X2522-10G-Plus ultra low latency NIC x1 (option for more)
Input / Output	On-board with 1Gbps RJ45 LAN port share with ASPEED AST2600 IPMI x1 On-board with 10/1Gbps RJ45 LAN port x1 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 HFT OS * Option : Red Hat Enterprise Linux 8.x, Ubuntu 22.04 LTS, Windows Server 2019/2022
Warranty	2 years hardware warranty 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**
日本新型專利 Patents of Japan
專利號碼 (Patent No.): **3242001**、**3242002**

欲瞭解更多相關資訊，歡迎與我們連繫：(02)2912-0128



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