



# *The fastest on the earth*

## **ARAVision**

### **Cheetah 1U CPU Overclocked HFT Server** *Born for major purposed applications and dedicated trading system*

#### **Key Features**

- \* **Born for major purposed applications and dedicated trading system**
- \* **Best liquid-cooled designed, up to all CPU cores 5.1GHz**
- \* **All cores 5.0GHz and set up the best L3 cache frequency 3200MHz**
- \* **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 40%~55% 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**
- \* **Provide air-flow cooling model to liquid-cooled model upgraded service for current limit budgets (optional, within 1 year after ordered)**



#### **Your Applications will be with Extreme Performance**

Liquid-cooled model provides all cores up to 5GHz(Max) and giving you 5GHz across all cores with 24.75MB of cache at 3200MHz utilizing the brilliant Intel® Core™ i9-10980XE. Delivering blazing performance and immense low latency.

#### **Liquid-cooled & Air-flow cooling :**

Intel® Core™ i9-10980XE, 18 physical cores, provide liquid-cooled & air-flow cooling for choice

- **Cheetah Perdator** (Liquid-cooled model), all cores can up to 5.1GHz
  - Ver. : All cores up to 4.7GHz, L3 cache frequency 3200MHz
  - Ver. : All cores up to 4.8GHz, L3 cache frequency 3200MHz
  - Ver. : All cores up to 4.9GHz, L3 cache frequency 3200MHz
  - Ver. : All cores up to 5.0GHz, L3 cache frequency 3200MHz
  - Ver. : All cores up to 5.1GHz, L3 cache frequency 2600MHz

\* **Memory frequency at least 3600MHz, can be changed by demands**

- **Cheetah Baby** (Air-flow cooling model) all cores can up to 4.4GHz
  - Ver. : All cores up to 4.2GHz, L3 cache frequency 2800MHz
  - Ver. : All cores up to 4.3GHz, L3 cache frequency 2800MHz
  - Ver. : All cores up to 4.4GHz, L3 cache frequency 2400MHz

\* **Memory frequency at least 3600MHz, can be changed by demands**



Our products are available in both air-cooled and liquid-cooled models for trading options. When the liquid-cooled model is no longer used, it can be easily replaced with an air-cooled architecture by purchasing a few kits. In addition, our overclocked servers It only needs 750W to operate, saving electricity and carbon emissions, allowing your business to easily meet global ESG standards.

**We give you best**





## Cheetah Predator

<b>Form Factor</b>	1U chassis with rail kit
<b>Processor</b>	<b>Cheetah Predator</b> Intel Core i9-10980XE (Cascade Lake) 18 cores 24.75MB cache base 3.0GHz CPU freq. x1 (All cores up to 5.1GHz, and all cores up to 5.0GHz with L3 cache Freq. 3200MHz)
<b>Chipset</b>	Intel X299
<b>Memory</b>	64GB (16GBx4) DDR4-3600 XMP OC UDIMM (Max. 256GB)
<b>Expansion Slots</b>	PCI-E 3.0 x16 slot x4 (Speed for x16/x8/x8/x8) (LP) Support Max. 4 PCI-E Interface device
<b>SSD</b>	500GB NVMe M.2 PCI-E SSD x1 (Max.2), * Option : M.2 SATA SSD board kits (Max.4)
<b>HFT I/O Card</b>	Solarflare X2522-25G-Plus or SFN8522-Plus ultra low latency NIC x1 (option for more)
<b>Input / Output</b>	ASPEED AST2500 IPMI port x1 (use one 1Gbps LAN port) On-board with RJ45 LAN port x1 (1Gbps x1) * Option : Additional 1Gbps RJ45 LAN port x 1 USB 2.0 port x2 (Front) , USB 2.0 port x1 (Rear) VGA port x1 * Option : COM port x1
<b>Power Supply</b>	750W high efficiency redundant PSU platinum level
<b>Raid Card</b>	* Option : Hardware Raid Card with SFF8643 to 4 SATA internal cable x1 can set in
<b>OS</b>	Preinstall optimized CentOS Linux 7.x * Option : Red Hat Enterprise Linux 7.x / 8.x, Windows Server
<b>Warranty</b>	2 years hardware warranty 1 year on-side service. (limited in Taiwan)

## Cheetah Baby

<b>Form Factor</b>	1U chassis with rail kit
<b>Processor</b>	<b>Cheetah Baby</b> Intel Core i9-10980XE (Cascade Lake) 18 cores 24.75MB cache base 3.0GHz CPU freq. x1 (All cores up to 4.4GHz, and all cores up to 4.3GHz with L3 cache Freq. 2800MHz)
<b>Chipset</b>	Intel X299
<b>Memory</b>	64GB (16GBx4) DDR4-3600 XMP OC UDIMM (Max. 256GB)
<b>Expansion Slots</b>	PCI-E 3.0 x16 slot x4 (Speed for x16/x8/x8/x8) (LP) Support Max. 4 PCI-E Interface device
<b>SSD</b>	500GB NVMe M.2 PCI-E SSD x1 (Max.2), * Option : M.2 SATA SSD board kits (Max.6)
<b>HFT I/O Card</b>	Solarflare X2522-25G-Plus or SFN8522-Plus ultra low latency NIC x1 (option for more)
<b>Input / Output</b>	ASPEED AST2500 IPMI port x1 (use one 1Gbps LAN port) On-board with RJ45 LAN port x1 (1Gbps x1) * Option : Additional 1Gbps RJ45 LAN port x 1 USB 2.0 port x2 (Front) , USB 2.0 port x1 (Rear) VGA port x1 * Option : COM port x1
<b>Power Supply</b>	750W high efficiency redundant PSU platinum level
<b>Raid Card</b>	* Option : Hardware Raid Card with SFF8643 to 4 SATA internal cable x1 can set in
<b>OS</b>	Preinstall optimized CentOS Linux 7.x * Option : Red Hat Enterprise Linux 7.x / 8.x, Windows Server
<b>Warranty</b>	3 years hardware warranty 1 year on-side service. (limited in Taiwan)

已取得多國專利

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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