



# 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 30%~45% performance than traditional 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 2600MHz
  - 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 3.7GHz (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 3.7GHz (All cores up to 4.4GHz, and all cores up to 4.2GHz with L3 cache Freq. 2800MHz)
<b>Chipset</b>	Intel X299
<b>Memory</b>	64GB (16GBx4) DDR4-3600 XMP OC UDIMM (Max. 256GB)
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<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)

### Patents of Republic of China (Taiwan)

(Patent No.) : s.' M618657 4!s.' M620968 4

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