MORUAN

Qilian P6410 General Server

Position

P6410 is based on Ampere® Arm Altra™ and Altra Max™ platform. Modular design and flexible configuration are suitable for cloud computing, cloud gaming, cloud cell phone and other application scenarios to meet performance and scalability needs.

Application

Cloud gaming, cloud mobile and other low-TCO cloud scenarios

Product feature

Excellent performance

- Support 2S Ampere® Arm platform, Altra™ and Altra Max™ processors, up to TDP 250W, 128 cores
- Multi-core and multi-thread: 80 cores per DIE per CPU, multi-thread and high performance, suitable for high concurrency, and virtualization scenarios

Flexible configuration

- Up to 8x PCIe cards and 1x OCP3.0
- Up to 2x FHFL AI training cards or 8x FHHL AI inference cards
- Support 12x 3.5-inch NVMe/SAS/SATA on front, 4x 2.5-inch NVMe/SAS/SATA on rear，2x on-board M.2 (x4 PCIe); front HDD, SSD, and NVME mixed on demand

Designed for new data centers

- Support front and rear I/O design, suitable for old and new data center environments
- Lower CPU power consumption (80 cores CPU power consumption is only 210W), more favorable thermal environment, low speed to reduce overall power consumption
- Support air cooling

Product Specification

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CPU	• 1/2x Ampere Altra™/Altra Max™ scalable processor, TDP 250W
Memory	• Up to 32 DDR4 DIMMs, up to 3200MT/s
Storage	• Front: Up to 12x 2.5-inch/3.5-inch HDDs/SSDs • Rear: Up to 4x 2.5-inch HDDs/SSDs
PCIe	• Up to 8x standard PCIe slots and 1x OCP slot • Up to 2x FHFL AI training cards, 8x FHHL AI reasoning cards
Management	• AST2500, 1x RJ45 GbE management port
IO	• 2x Front & 2x Rear USB 3.0, Type A • 1x PWR BTN with LED • 1x Front UID BTN with LED + 1x Rear UID LED • 1x Front VGA +1x Rear VGA • 1x Rear COM port (DB9)
Thermal	• 4x 8038 Fans, N+1 redundancy
Temperature	• 5ºC - 35ºC
PSU	• 2x CPRS PSUs (800W/1300W/1600W/2000W), 1+1 redundancy, 90 V~264 V AC or 200 V ~ 300 V DC
Dimension	• 87mm (H) x 436mm (W) x 815mm (D)