

TaiShan 200 Server

Enhanced for Massive Mission-Critical Computing



High Performance

Industry-first dual-threaded Arm server processor



Superior Efficiency

Energy savings with dynamic CPU frequency/voltage scaling; Kunpeng + openEuler for optimal energy efficiency



Solid Reliability

Memory mirroring, online isolation of faulty CPU cores, and intelligent fault prediction



Robust Security

Dual-chain secure boot enabled by a built-in high-security HSM and BMC; TEE and secure I/O for a highly secure, trusted environment



High Performance

- Turbocharged computing: industry-first dual-threaded Arm server processor, supporting 48/56/64 cores, 2.2 GHz; 24/32 cores, 2.0 GHz
- Multi-processor interconnect: 2P interconnect via proprietary HCCS
- High-speed I/O connectivity: CPU-integrated PCIe 5.0, 2 × 100G networking, and SAS/SATA 3.0



Superior Efficiency

- Dynamic energy saving and power capping
- Dynamic energy consumption management and intelligent CPU frequency/voltage scaling
- MPC-based cooling optimization with intelligent fan speed control



Solid Reliability

- Online isolation of CPU cores and fault prediction with minimal service impact
- Memory fault prediction and self-healing, 50% less memory downtime
- Partial or full memory space mirroring, mitigating most uncorrectable memory error risks



Robust security

- KAE: supporting RSA, AES, and zlib hardware acceleration algorithms; plaintext data does not traverse the data bus, ensuring enhanced security
- E2E security: dual-chain secure boot (CPU-integrated HSM + BMC), ensuring software protection with TPM compliance
- Data security: TEE + secure I/O to create a high-security environment for data protection

Product Specifications

Model	TaiShan 200 Server (Model 2280 V2)		TaiShan 200 Server (Model 5280 V2)	
Form	2U 2-socket		4U 2-socket	
Processor	2 × 920 new model, 48/56/64 cores, 2.2 GHz	2 × 920 new model, 24/32 cores, 2.0 GHz	2 × 920 new model, 48/56/64 cores, 2.2 GHz	2 × 920 new model, 24/32 cores, 2.0 GHz
Memory	32 × DDR5 DIMM at 4,800 MT/s or faster, up to 2 TB memory			
Local Storage	<ul style="list-style-type: none"> • Up to 8 × 2.5-inch SAS/SATA SSD (including support for 4 NVMe SSDs) • Up to 12 × 3.5-inch SAS/SATA HDD/SSD • Up to 16 × 2.5-inch NVMe SSD (including support for 8 SAS/SATA SSDs) 		Up to 36 × 3.5-inch SAS/SATA SSD (24 at the front, 12 at the rear) + 2 × 3.5-inch SAS/SATA SSD (or 2 × 2.5-inch SAS/SATA SSD) at the rear	
RAID Support	RAID 0/1/10/1E/5/50/6/60			
LOM	2 × onboard NIC, supporting 4 × GE, 2 × 25/10GE, or 1 × 100GE			
PCIe Expansion	Up to 8 PCIe slots			
PSU	2 × 2,000 W AC in 1+1 redundancy			
Fan Module	4 hot-swappable fan modules in N+1 redundancy			
Temperature	5°C to 35°C (41°F to 95°F)			
Dimension (H × W × D)	86.1 mm (2U) × 447 mm × 798.5 mm		175 mm (4U) × 447 mm × 798.5 mm	

For more information about the Huawei TaiShan Server, please contact your Huawei sales representative or business partner.

Copyright © Huawei Technologies Co., Ltd. 2026

All rights reserved. This document is for reference only and does not constitute any form of commitment.