

# CloudServer Pro X500 - Technical Specifications

The CloudServer Pro X500 is our flagship enterprise server solution, designed for high-performance computing workloads. It features the latest generation processors, massive memory capacity, and enterprise-grade redundancy features.

## Hardware Specifications

| Component    | Specification                             |
|--------------|---|
| Processor    | Dual Intel Xeon Gold 6348 (28 cores each) |
| RAM          | 512 GB DDR4 ECC                           |
| Storage      | 8x 4TB NVMe SSD (RAID 10)                 |
| Network      | 4x 25GbE ports                            |
| Power Supply | Dual redundant 2000W                      |
| Form Factor  | 2U Rackmount                              |
| Warranty     | 5 years enterprise support                |

## Performance Benchmarks

| Benchmark                    | Score     | Industry Average |
|------------------------------|-----------|------------------|
| CPU Performance (SPECint)    | 385       | 250              |
| Memory Bandwidth (GB/s)      | 280       | 180              |
| Storage IOPS (4K Random)     | 2,500,000 | 800,000          |
| Network Throughput (Gbps)    | 98        | 50               |
| Power Efficiency (Perf/Watt) | 92        | 65               |