Server Components - Portfolio

ASUS
IN SEARCH OF INCREDIBLE

Server Mainboards & Accessories

Server Motherboards
ASUS server motherboards combine high-quality components, feature-rich design and superior in-house design expertise for your custom compute needs.

Server Accessories
ASUS server accessories are compatible, dependable and easy to adopt, enabling smooth server-system performance upgrades and expansion.

ADVANTECH
Enabling an Intelligent Planet

Server Mainboards & Chassis

Server Motherboards
Advantech server boards support Intel Xeon Processor, DDR4, IPMI 2.0 with iKVM and Quad LANs features. Our server board enables various system configurations and diverse options of modules to help fulfill various field application.

Server Chassis
From 1U to 4U Rackmount Server Chassis, Advantech aim to provide the best solutions and fulfill the most complex requests from different industrials. The tower chassis series are IPC chassis featuring enhanced storage and high-efficiency power supplies beneficial to Industrial server and application such as AOI.

intel.

Server Boards & Accessories

Server Boards
Optimized for high-performance computing, hyper-converged infrastructure, outstanding storage performance. Whether customers need a server under their desk or a high-performance data center workhorse, Intel Server Boards deliver performance, security, and flexibility.

SAS/RAID
Intel® RAID solutions deliver custom storage options for a variety of business needs, at a range of price points.

Server Chassis
Built on a foundation of industry-leading, high-quality technology and with the purpose to work with Intel server boards and Intel Xeon processors to meet the most demanding compute use requirements.

swissbit®

PCIE U.3 Data Center SSD
Swissbit's N4200 U.3 Data Center SSD enables server engineers to achieve reliable, high storage capacity that delivers consistently high performance and low latency. The N4200 is able to measure its respective workload. Thanks to this unique feature, the workload profile can be analyzed and the firmware configured accordingly, tailored to a specific workload profile, e.g. for web, streaming, application and cache servers. The firmware optimally matched to the workload profile keeps write amplification low and improves endurance. This innovative approach is designed specifically to tackle complex cloud applications delivering the best and most consistent throughput and latency in the industry.

Server Components - Portfolio

KIOXIA

Data Center SSDs

KIOXIA Data Center SSDs which are equipped with flash memory, firmware and a controller developed by KIOXIA are suitable for cloud-based applications run in an industry standard server environment to be scaled out in a cloud. These data center SSDs are optimized for a balance of performance, low latency and data protection, and provide power loss protection (PLP) to safeguard data in case of unexpected power loss.

CD Series
- PCIe® / NVMe™ SSDs
- Scale-out and cloud applications
- 2.5'' / E3.S form factor
- Up to 15.36TB (2.5'') and 7.68TB (E3.S) capacity

XD Series
- EDSFF E1.S (9.5 / 15 mm) form factor
- Addresses specific requirements of hyperscale applications
- Performance, power and thermal requirements according to OCP Datacenter NVMe™ SSD Specification

Enterprise SSDs

Enterprise SSDs are suitable for high-performance Tier 0 computing, server and storage systems that require high levels of performance and reliability. KIOXIA Enterprise SSDs equip the flash memory and controller developed by KIOXIA and offer high reliability, data protection incorporating power-loss-protection (PLP) and encryption technology to support enterprise environments and applications. Light weight and low power consumption will make the systems more energy efficient.

FL Series
- Dual-port PCIe® 4.0/NVMe™ SSD
- Fast system response for latency-sensitive applications
- Server caching / write logging for enterprise & large data centers
- Read/write caching in tiered storage

CM Series
- Dual-port PCIe®/NVMe™ SSDs
- Capacities up to 30.72TB
- 2.5'' / E3.S form factor
- Power Loss Protection (PLP)
- Range of security/ encryption options

PM Series
- Dual-port 24G SAS SSDs
- Capacities up to 30.72TB
- 2.5'' (15 mm Z-height)
- Power Loss Protection (PLP)
- Range of security/ encryption options

TOSHIBA

Enterprise Hard Drives

AL Series - Enterprise Performance HDD
- 2.5'' SAS Hard Drive
- Dual-port SAS interface
- 24/7 operation
- 5-year warranty
- Unlimited workload (TB/year)
- MTTF of 2 mill. hours
- Persistent Write Cache technology
- Flexibility in block size and SIE and SED options

Use for:

Enterprise server & storage systems | Business database server with high workloads | Big data analytics | Virtualized storage systems

MG Series - Enterprise Capacity HDD
- 3.5'' SATA or SAS Hard Drive
- 24/7 operation
- 5-year warranty
- Toshiba Stable Platter Technology
- Persistent Write Cache technology
- 550 TB/year workload
- Flexibility in block size and SIE and SED options
- Rotational Vibrations sensor

Use for:

Enterprise server & storage systems | Enterprise storage arrays | Cloud & hyperscale storage systems | Big data, distributed file systems | Enterprise archive & data recovery systems | Industrial server & storage systems

Server Components - Portfolio

Apacer

Industrial DRAM Solutions

RDIMM (ECC Registered DIMM) is a JEDEC-compliant design applicable for enterprise servers and cloud data centers. With a register between the memory module and the system's memory controller, the RDIMM improves overall system stability and increases memory module quantity.

Registered DRAM	2 GB	4 GB	8 GB	16 GB	32 GB	64 GB
DDR3 REG DIMM 1600 Mhz 0°C- +85°C			■			
DDR4 REG DIMM 2400 Mhz 0°C- +85°C		■	■			
DDR4 REG DIMM 2666 Mhz 0°C- +85°C		■	■			
DDR4 REG DIMM 3200 Mhz 0°C- +85°C		■	■	■	■	
DDR4 REG DIMM 3200 Mhz -40°C - +85°C			■	■	■	

Furthermore, it supports ECC function to detect and correct data errors, and a built-in temperature-monitoring thermal sensor to prevent overheating and improve the memory module's reliability.

Transcend®

Server-grade DRAM modules

Transcend offers a full range of high-performance and large-capacity memory solutions that meet the needs of cloud computing applications. These server-grade DRAM modules provide high transfer speeds, allowing large amounts of data to be moved efficiently. Transcend's DRAM modules for servers feature built-in Error Correcting Code (ECC) that automatically detects and corrects transfer errors, increasing overall reliability. As servers operate continuously, temperature control is also essential.

Registered DRAM	2 GB	4 GB	8 GB	16 GB	32 GB	64 GB
DDR3 REG DIMM 1066 Mhz 0°C- +85°C			■			
DDR3 REG DIMM 1333 Mhz 0°C- +85°C	■		■	■		
DDR3 REG DIMM 1600 Mhz 0°C- +85°C		■	■			
DDR4 REG DIMM 2133 Mhz 0°C- +85°C			■	■		
DDR4 REG DIMM 2400 Mhz 0°C- +85°C		■	■	■		
DDR4 REG DIMM 2666 Mhz 0°C- +85°C		■	■	■	■	
DDR4 REG DIMM 2666 Mhz -40°C - +85°C				■	■	
DDR4 REG DIMM 3200 Mhz 0°C- +85°C			■	■	■	■
DDR4 REG DIMM 3200 Mhz -40°C - +85°C				■		
DDR5 REG DIMM 4800 Mhz 0°C- +85°C				■	■	

ATP

Server DRAM

While experiencing exponential expansion, storage server and cloud service providers also confront difficulties with data integrity, reliability, and other factors that are crucial to perpetual up-time. Boot drives, server DRAM, and other uncommon embedded form factors are areas of expertise for ATP.

Today, ATP is regarded as a strategic supplier by more than 70% of the businesses included in Gartner's Magic Quadrant reports for Primary Storage, Data Center and Cloud Computing, and WAN-Edge Infrastructure.

Registered DRAM	2 GB	4 GB	8 GB	16 GB	32 GB	64 GB
DDR3 REG DIMM 1066 Mhz 0°C- +85°C	■	■	■	■		
DDR3 REG DIMM 1333 Mhz 0°C- +85°C	■	■	■	■		
DDR3 REG DIMM 1600 Mhz 0°C- +85°C	■	■	■	■		
DDR3 REG DIMM 1866 Mhz 0°C- +85°C		■	■			
DDR4 REG DIMM 2133 Mhz 0°C- +85°C		■	■	■		
DDR4 REG DIMM 2400 Mhz 0°C- +85°C		■	■	■		
DDR4 REG DIMM 2666 Mhz 0°C- +85°C		■	■	■		
DDR4 REG DIMM 2666 Mhz -40°C - +85°C						
DDR4 REG DIMM 2933 Mhz 0°C- +85°C		■	■	■	■	
DDR4 REG DIMM 3200 Mhz 0°C- +85°C		■	■	■	■	■
DDR4 REG DIMM 3200 Mhz -40°C - +85°C						
DDR5 REG DIMM 4800 Mhz 0°C- +85°C						

Server Components - Portfolio

Intel® Xeon® Scalable Processors

4th Gen Intel® Xeon® Scalable processors feature built-in accelerators and advanced security technologies for the most in-demand workload requirements — all while offering the greatest cloud choice and application portability.

Intel® Xeon® Platinum	Intel® Xeon® Gold	Intel® Xeon® Silver	Intel® Xeon® Bronze
Advanced 2, 4 & 8 socket performance, designed for the most demanding workloads & services from the edge to cloud.	Up to 4 socket scalable performance, advanced reliability, and advanced security solutions.	Performance and power efficiency for entry compute, network and storage.	Reliability and serviceability for small business and storage server solutions.

Intel® Xeon® CPU Max Series

Maximize bandwidth with the Intel® Xeon® CPU Max Series, the only x86-based processor with high-bandwidth memory (HBM). Architected to supercharge the Intel® Xeon® platform with HBM, Intel® Max Series CPUs deliver up to 4.8x better performance compared to competition on real-world workloads, such as modeling, artificial intelligence, deep learning, high performance computing (HPC) and data analytics.

Intel® Xeon® Processors

Optimized performance, scale and efficiency across a broad range of data center, edge and workstation workloads. Elevate business productivity with the consistent open Intel® architecture you know and trust.

- **Intel® Xeon® W**: Designed for creative professionals, delivering performance for VFX, 3D rendering, 3D CAD (workstation).
- **Intel® Xeon® D**: Innovative system-on-a-chip processors for workload optimized performance at limited space and power.
- **Intel® Xeon® E**: Essential, business-ready performance, expandability and reliability for entry server solutions.

Intel® FPGA Portfolio

Accelerate innovation with a comprehensive suite of innovative FPGA products unified by a single architecture, enhanced by Intel's design, software, and manufacturing leadership, with optimizations across all levels of performance, power efficiency, and form factor to address a wide breadth of workloads.

Server PSU

Redundant power solutions for data center / cloud, storage server, 5G & AI applications. **Uninterruptable power supplies (UPS)** for the server room - highest power factor with the most compact size, modular design decreases MTTR and increases reliability of UPS system.

Server PSU

Delta offers some of the most energy efficient power products in the industry, including switching power supplies, telecom power, and PV inverters. Delta has also developed the world's first server power supply certified as 80 Plus Titanium.