

# INTRODUCING

## LGA7529 SOCKETS AND HARDWARE

- PCIe Generation 5 Support
- DDR5 8-Channel Capable
- Greater Number of Memory Channels (7529 pins)



TE Connectivity's (TE) LGA7529 socket for next-generation server processors provides more connections between the motherboard and the processor. With 7529 pins, the socket delivers increased performance and data bandwidth to support top processor next-generation multi-core architectures and high-throughput workloads, enabling the latest server architectures for data centers and artificial intelligence (AI).

### KEY BENEFITS

- Great number of pin counts enhances connectivity between the CPU and other components
- Good scalability for next generation processors
- Better thermal management for high-performance operations
- Supports PCIe 5.0 technology - providing faster speeds and greater efficiency, ensuring compatibility with advanced GPUs, network cards, and storage devices
- Supports 12-channel DDR5 DRAM memory that allowing processors to connect with multiple memory channels for high bandwidth
- Qualified and tested durability, environmental resistance, shock and vibration
- Supports auto-assembly processes to facilitate ease of installation and limit possibility of rework
- Continuing cost optimization

### APPLICATIONS

- Hyperscale / Datacenter
- Networking Equipment
- AI / Machine Learning
- Edge Computing
- HPC
- Cloud Service
- Servers
- Switches

### LEARN MORE

- [Landing Page](#)
- Brochure
  - [English](#)
  - [Chinese](#)