Networking the AI Data Center

Get ROI from your AI with optimized GPU computation.

AI infrastructure spending will increase Data Center CAPEX by 15% to over $500 Billion by 2027

**THE PROBLEM**

GPUs are costly, but necessary for AI-driven data center network infrastructure. To get the most out of these resources for AI training, you must be tactical and economical. Otherwise, training will be limited by network constraints, rather than compute capabilities.

Parallel processing across GPUs increases efficiency. However, poor network design can lead to tail latency, negating your efficiency gains and delaying job completion time.

As an open, future-proof, and proven solution for enterprise networks, Juniper's AI Data Center Network improves the return on your infrastructure investment.

**THE SOLUTION**

An AI Data Center Network can help

As an open, future-proof, and proven solution for enterprise networks, Juniper’s AI Data Center Network improves the return on your infrastructure investment.

Massively scalable performance

- Fully integrated solution
- Massively scalable performance
- Industry-standard openess
- Experience-first operations

Industry-standard openess

- Design for work with existing Infrastructure
- Automate and simplify networking
- Institute partner ecosystem
- Scale with all major vendors
- Predictable performance

Experience-first operations

- Automate and simplify networking
- Institute partner ecosystem
- Predictable performance

See how Juniper powers the AI revolution with enhanced data transfer, lossless transmission, and congestion-control technologies.

Go deeper into the challenges and solutions of AI data center networking.

DOWNLOAD OUR WHITE PAPER