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FACT SHEET

High-Density Colocation

High-Density Colocation Powers the AI Revolution

As Artificial Intelligence (AI) and High-Performance Computing (HPC) workloads grow exponentially, requirements around substantial power, modern cooling, and space optimization are taxing traditional IT platforms and data centers. According to Gartner's projections, global spending on AI services, excluding IaaS, will reach $478 billion by 2028, with a CAGR of 18.2% over five years. This rapid advancement underscores the importance of data center solutions that deliver flexible and cost effective space, cooling and power density options.

TierPoint can help meet these growing and unique infrastructure needs supporting our clients' strategic innovation initiatives. By packing an unprecedented amount of processing capacity into optimized spaces in state-of-the-art cabinets, TierPoint's high-density colocation unlocks new realms of efficiency, performance, and scalability.

Key Benefits

With High-Density Colocation, you'll gain the following benefits:

+ Maximize performance of dynamic GPU workloads
+ Optimize your infrastructure with a dense IT footprint
+ Realize cost savings by creating power efficiencies
+ Reduce risk with resilient data centers
+ Focus on sustainability efforts with energy efficiency-enabling technology

The TierPoint Difference

Expertise with Speed to Market

We are the proven experts in high-density colocation, with one of the largest high-density, single-user commercial deployments on record. Our expertise supports the ever-evolving demands of clients seeking to expand their high-performance computing capabilities.

Holistic IT Services

Our comprehensive portfolio of IT solutions, includes standard and high-density colocation, managed services, and cloud offerings. Our consultative approach sets us apart, enabling us to craft tailor-made solutions that perfectly align with your business requirements.

Ability to Support AI & GPU Workloads

Leveraging our enterprise-class data centers and state-of-the-art cabinet technology enhanced by advanced cooling methods, we are able to deliver rack densities that exceed 130kW with optimal configurations, supporting the most demanding workloads including AI accelerators and accelerated GPU computing.

Geographically Diverse Locations

Our clients have the flexibility to choose from multiple, geographically diverse locations, supporting real-time performance and minimal latency. Our enterprise-grade facilities feature redundant infrastructure with critical components duplicated for enhanced resilience with a 100% uptime SLA.

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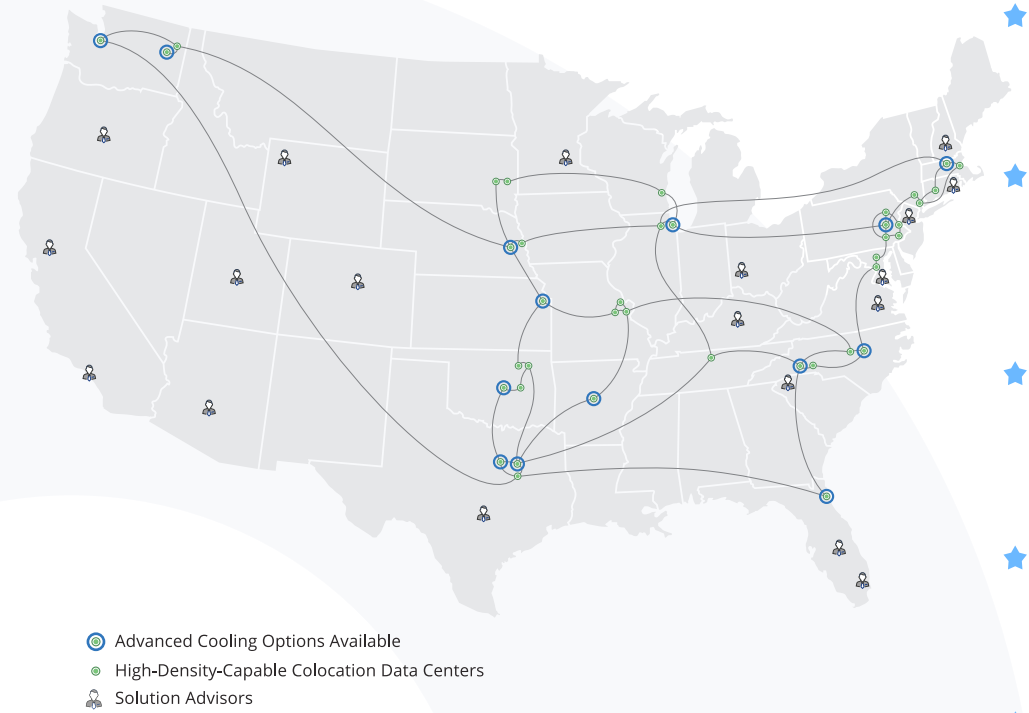
State-of-the-Art Facilities to Deploy Dense High-Performance Computing Infrastructure

TierPoint's footprint includes high-density-capable data centers with enterprise-class reliability, performance, and security. Upgraded, redundant UPS and generators seamlessly handle the required power and advanced cooling systems to manage the additional loads.



Features:

Power for High-Performance Computing

Support the most demanding workloads with rack densities that exceed 130kW to maximize AI and supercomputing platforms

Modern, Efficient Cooling

Flexible advanced cooling solutions including liquid-air hybrid and direct to chip that maintain consistent operating temperature for optimal system performance

Cutting-Edge High-Density Cabinets

Deliver higher density per square foot, advanced liquid cooling, and power distribution with efficient cabinet design suitable for any rack-mountable hardware

Network Connectivity

Bypass the internet and exchange data directly between TierPoint's carrier-diverse data centers using private, low-latency network bandwidth

Secure Infrastructure

Secure, two-factor authentication including biometric systems both at the data center level and on high-density cabinets

Power Your Digital Breakaway

We are cloud-forward and data center-strong, a champion for untangling the hybrid complexity of modern IT, so you can free up resources to innovate, exceed customer expectations, and drive revenue. For a full scope of TierPoint services, visit tierpoint.com.

- Cloud Services
- Security Services
- Applications
- Disaster Recovery
- Data Center Services
- Managed Services
- Advisory/Consulting

Learn More

Let us help you power your AI workloads with high-density colocation. Call **844.267.3687** or email **sales@tierpoint.com** to connect with one of our advisors. Or visit us at **tierpoint.com** to learn more.

About TierPoint

TierPoint (tierpoint.com) is a leading provider of secure, connected IT platform solutions that power the digital transformation of thousands of clients, from the public to private sectors, from small businesses to Fortune 500 enterprises. Taking an agnostic approach to helping clients achieve their most pressing business objectives, TierPoint is a champion for untangling the complexity of hybrid, multi-platform approaches to IT infrastructure, drawing on a comprehensive portfolio of services, from public to multitenant and private cloud, from colocation to disaster recovery, security, and more. TierPoint also has one of the largest and most geographically diversified U.S. footprints, with dozens of world-class, cloud-ready data centers in 20 markets, connected by a coast-to-coast network.

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