



Product Overview

PAETEC's Data Center Colocation

PAETEC's Data Center Colocation includes:

- Secure cabinet, rack, or custom cage for customer CPE
- 24 × 7 × 365 access
- Standard and custom power configurations
- SLAs ensuring network access, installation intervals, power, and availability

What is Data Center Colocation?

PAETEC's Data Center Colocation provides a secure, protected, and environmentally controlled facility for our customers to place their critical database and server operating applications. With redundant OC-level access, 24 × 7 × 365 professional services and monitoring availability, as well as a highly secure physical environment, PAETEC's Data Center Colocation provides a solution to meet the ever-changing regulatory requirements impacting multiple industries.

As customers develop and grow applications and services that require greater uptime and higher amounts of Internet access bandwidth, they will seek to locate their servers in a carrier-grade data center. For many customers, colocation is a more cost-effective way to provide large amounts of bandwidth to servers, while improving the likelihood that a server will not be interrupted by loss of power, HVAC, or local loops. PAETEC builds upon these essential ingredients with a full spectrum of professional support services, including Advanced Monitoring, Backup and Restoration, Hosted Server, and Managed Services solutions.

Solution Features & Benefits:

Regulatory Compliance

Industry regulations require organizations to maintain specific standards for business' operating equipment, as well as the data that resides within it. PAETEC's Data Center Colocation provides a solution to help companies meet physical security and environmental stability requirements.

Key Facts:

- PAETEC's Data Centers are designed to meet the most stringent security requirements
- Technical Support and Professional Services are available 24 × 7 × 365
- Redundant OC-level access ensures your applications are always available
- Uninterrupted Power Supply for the safety of our customers' equipment

Robust Data Network Connectivity

PAETEC's Data Centers are redundantly connected via multiple, diverse, fiber paths into the core PAETEC IP / MPLS data network. In addition to this physical diversity, redundancy is also implemented in the routing fabric both physically (routers) and virtually (routing protocols). The network is designed to provide highly scalable Internet and private MPLS VPN services using Quality of Service (QoS) to ensure performance for customer application needs.

Heating Ventilation & Air Conditioning (HVAC)

PAETEC's air conditioning systems ensure precise control of temperature and humidity in our Data Centers. These air conditioning units maintain the environment at a steady 72 degrees every hour, each day of the year. Humidity is either added or removed from the environment so that the room maintains a consistent 45% relative humidity regardless of the weather outside.

Power

Power is a major component of PAETEC's Data Centers. We have gone to great lengths to ensure that the power supplied is clean, consistent, and reliable. Our power distribution systems ensure that every circuit delivered to a customer's cabinet is pure and isolated from other customer circuits. These Power Distribution Units (PDUs) act as "smart" circuit breaker panels. Monitoring of input voltages, output voltages, and currents take place at these units. Alarm and notification functions, when necessary, are managed by the PDUs as well.

Power Backup

Occasionally, as a result of storm damage, or other external forces, power from the utility company can become unreliable or completely unavailable. PAETEC has taken precautions to ensure that the power delivered to a customer's cabinet is reliable and trouble-free. Utilizing advanced Uninterruptible Power Supplies (UPS), the power in the Data Center is virtually "remanufactured" on an ongoing basis. An Automatic Transfer Switch (ATS) monitors incoming utility power, as well as on-site backup generator conditions.