

Data Center Colocation

Colocation: Value Proposition

For many businesses, having localized computing capabilities is essential to ensure the smooth running of their operations. However, creating and maintaining their own data centers in each location where they operate can be prohibitively expensive and time-consuming. This is where colocation services come in.



Colocation providers offer businesses the opportunity to rent space within their data centers, which are equipped with the necessary infrastructure, such as power, cooling, and physical security. This allows businesses to focus on their core competencies, without the burden of managing their own data centers.



In addition to cost savings, colocation services offer other benefits as well. For example, businesses can take advantage of the expertise of the data center provider's staff, who are experienced in managing and maintaining complex IT infrastructure. Colocation providers may also offer additional services, such as network connectivity and disaster recovery solutions, which can further improve the reliability and resilience of a business's IT infrastructure.

Overall, colocation services provide a practical and cost-effective solution for businesses looking to establish a localized computing presence without the high cost and complexity of building and maintaining their own data centers. By outsourcing their infrastructure requirements to a third party, businesses can focus on their core competencies and remain competitive in an increasingly complex and challenging business environment.



Fiber Mountain® Colocation Solution



Fiber Mountain® Colocation solution offers an innovative solution to tackle network visibility problems using intelligent patch panels and cables. While conventional patch panels and cables provide passive connectivity, the intelligent patch panels and cables offered by Fiber Mountain are equipped with active intelligence that makes them stand out.

By incorporating intelligence into the patch panels and cables, the Fiber Mountain solution provides businesses with valuable insights into their network environment. This means that the knowledge of the environment is now part of the patch panels and cables and is available to both the remote hand on site and the network operations center (NOC) or administrator across the country.

Businesses can quickly identify and troubleshoot network issues, even before they escalate into more significant problems. This is achieved by providing real-time monitoring of the network and the ability to automatically detect changes in the network environment.

With our solution, businesses can enjoy improved network visibility, reduced downtime, and increased efficiency. The intelligent patch panels and cables provide a comprehensive view of the network, enabling businesses to make informed decisions about their IT infrastructure. This, in turn, can help businesses to optimize their IT resources, reduce costs, and improve the overall performance of their network.

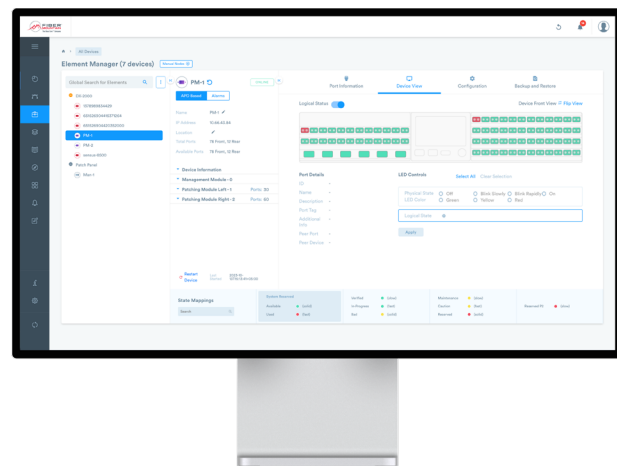


Data Center Colocation Features

Guided MACs

The Data Center Colocation solution has an innovative feature that enables the Network Operations Center (NOC) to remotely blink all the LEDs in the data center. This allows the NOC to guide the technician to the device they need to work on, which is particularly useful when performing moves, adds, and changes (MACs) to the IT infrastructure. Businesses can minimize the time required to make changes to the infrastructure, reducing downtime and improving the overall efficiency of the IT environment.

The remote blink feature also helps to improve the safety and security of the data center by minimizing the need for on-site personnel. The NOC can provide guidance and support to the technician on the ground, enabling them to perform their tasks more efficiently and effectively. This feature also helps to reduce costs associated with on-site personnel, allowing businesses to allocate their resources more effectively.



Intelligent Patch Panels

Fiber Mountain's AllPath® Director software is a powerful tool that manages passive intelligent patch panels. These panels can be remotely managed once power is applied, providing businesses with a flexible and efficient approach to managing their IT infrastructure.

The panels are equipped with sensors, and tri-color LEDs on all ports, and NFC/RFID technology, enabling Fiber Mountain's ICID® (Intelligent Connection Identification) on the panel. This feature allows businesses to identify the connection type and location of each device, making it easier to manage their network.

With the AllPath® Director software, businesses can monitor the patch panels in real-time, ensuring that their IT infrastructure is operating at optimal performance levels. The software provides businesses with the ability to remotely troubleshoot and diagnose any issues that may arise, minimizing downtime and improving the efficiency of their IT environment.



Intelligent Cables

Fiber Mountain's ICID® cable clips are a revolutionary solution for managing cable connections in datacenters. These small, unobtrusive clips can transform any standard cable into an intelligent cable, allowing for easy identification and tracking of the cable's history.

The ICID® cable clips are designed to keep track of a cable's life history, including its type, length, manufacture, and number of insertions. This information is stored within the clip and can be easily accessed by scanning the clip using NFC or RFID technology. This makes it easy to identify and manage cables, improving overall efficiency and reducing the risk of errors.

The NFC and RFID technology also makes it easier to track the cable's location and status. This can be particularly useful in large datacenters, where it can be difficult to keep track of all the cables and connections.

Monitored Verification

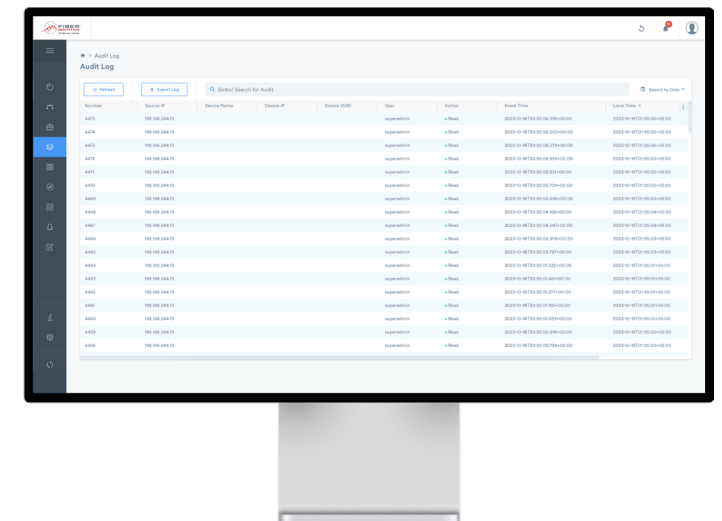
When it comes to patching, accuracy is key to ensuring optimal network performance and reducing downtime. With Fiber Mountain's advanced colocation solution, network administrators can remotely verify the work of the technician after the patching process is complete. This means that the NOC can check the work to see whether it was accurate, providing immediate feedback to the remote hand.

This innovative approach to patching allows for greater efficiency and accuracy in the patching process. The remote hand is guided throughout the entire work order using Fiber Mountain's intelligent software, reducing the likelihood of errors due to human mistakes.

By eliminating the need for the colocation or patching system to be a prerequisite for the remote hand, the software makes it easier to complete patching tasks quickly and accurately.

Overall, this approach to patching not only shortens the patching process but also lessens the likelihood of a patch being applied incorrectly. With greater accuracy and efficiency in the patching process, businesses can ensure that their networks remain up and running smoothly, without experiencing costly downtime or performance issues.

With the ICID® cable clips, network administrators can quickly and easily locate cables, troubleshoot connectivity issues, and make changes as needed, improving overall network management and efficiency.





Conclusion

Colocation services provide a practical and cost-effective solution for businesses looking to establish a localized computing presence without the high cost and complexity of building and maintaining their own data centers. By outsourcing their infrastructure requirements to a third party, businesses can focus on their core competencies and remain competitive in an increasingly complex and challenging business environment. The Fiber Mountain colocation solution offers an innovative solution to tackle network visibility problems using intelligent patch panels and cables, providing businesses with valuable insights into their network environment.