3C3®
PERFORMANCE EXCELLENCE

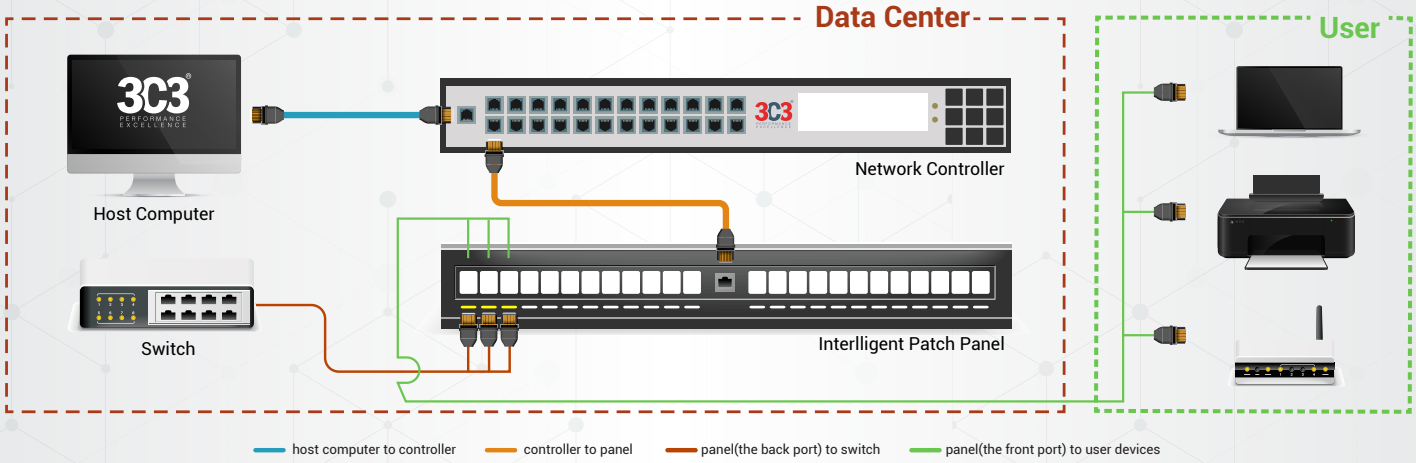
PHYSICAL INFRASTRUCTURE

MANAGEMENT SOLUTIONS ™

PHYSICAL INFRASTRUCTURE MANAGEMENT SOLUTIONS ™

Physical Infrastructure Management (PIM) Solutions merge technology and infrastructure to create efficient, connected, and sustainable environments. They leverage passive components, sensors, and data analytics to optimize operations, conserve resources, and enhance performance. By minimizing active intervention, these solutions improve reliability and efficiency. Applications range from smart building management to energy conservation, transforming industries. As technology evolves, passive intelligent solutions are shaping a smarter, more sustainable future.

One port of a scanner with ONE panel



What is a PIM Solution?

Physical Infrastructure Management (PIM) refers to a system that monitors, manages, and optimizes physical network infrastructure and IT assets automatically. AIM integrates intelligent hardware, sensors, and software to provide real-time visibility into the status and connections of network components, such as cables, ports, and devices.

Key Components of PIM Solutions

Intelligent Hardware:

Includes smart panels, patch cords, and sensors for real-time monitoring of physical connections and devices.

Centralized Management Software:

A unified platform for visualizing, managing, and documenting the physical network infrastructure.

Environmental Monitoring:

Sensors for tracking temperature, humidity, and other environmental factors to maintain optimal operating conditions.

Security Systems:

Includes access controls and alerts for unauthorized changes to physical connections.

Data Analytics and Reporting:

Provides actionable insights, historical records, and predictive analytics for optimizing performance and planning upgrades.

Advantages of Powered Fiber

- Improved Network Visibility
- Enhanced Efficiency
- Cost Savings
- Stronger Security
- Scalability
- Compliance and Audit Readiness
- Optimized Troubleshooting
- Future Proofing

Why Choose PIM Solutions?

- Automates tasks to reduce manual workload.
- Minimizes downtime and optimizes asset usage.
- Ensures accurate records for audits and regulatory adherence.
- Identifies and resolves issues quickly.
- Adapts to growing infrastructure needs.

Applications

Data Centers:

Optimizes connectivity, reduces downtime, and ensures efficient resource management.

Industrial Automation:

Supports seamless IoT connectivity for real-time data and operations.

Healthcare Facilities:

Ensures reliable and secure network management for critical systems

Education Campuses:

Provides dependable connectivity for students, staff, and administrative systems.

Retail and Banking:

Improves reliability of POS systems, ATMs, and customer-focused operations.

Features and Benefits

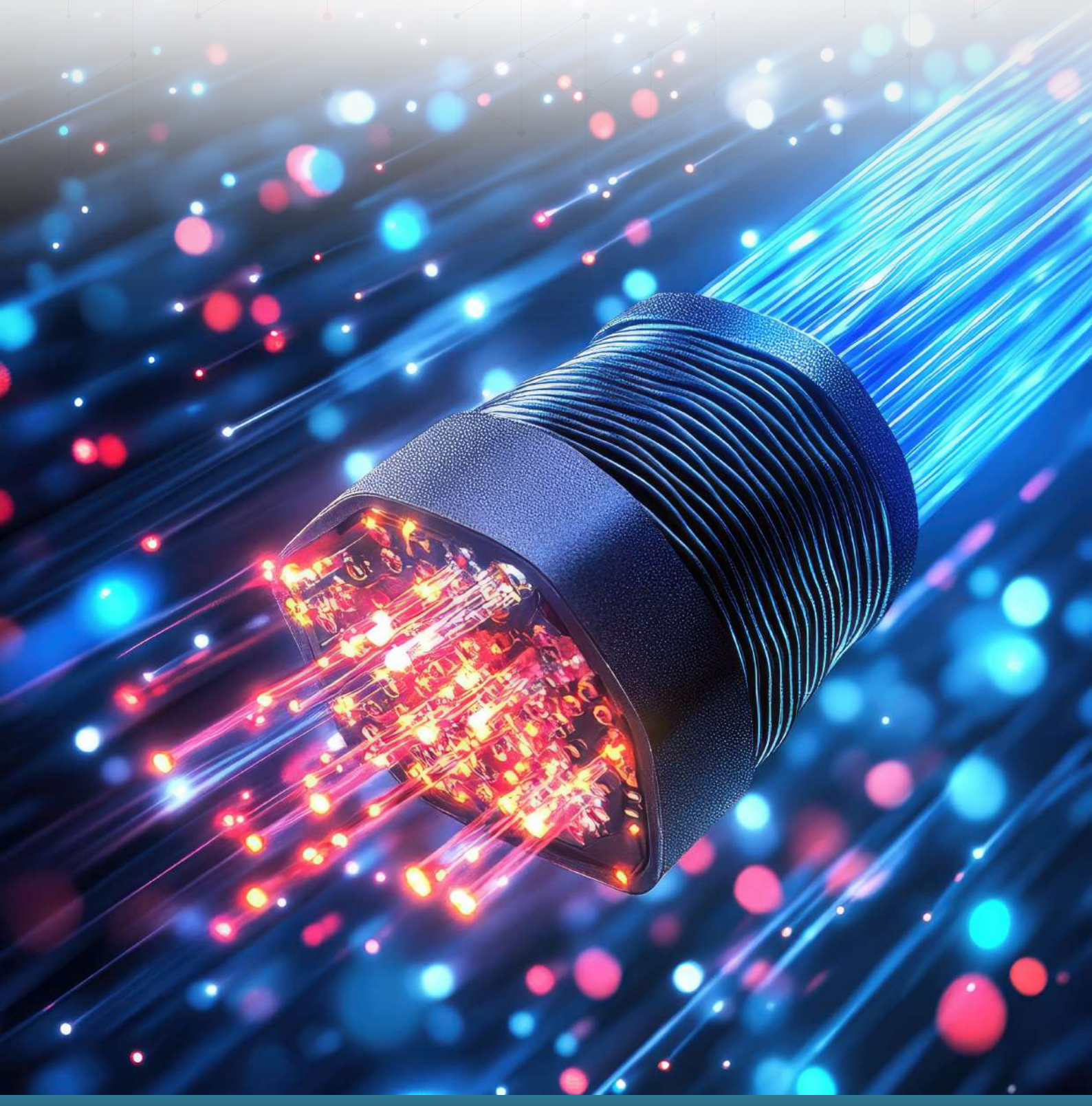
Fault Detection and Troubleshooting: Quickly identifies and pinpoints issues, minimizing downtime and enabling faster resolution for improved efficiency.

Enhanced Security: Monitors for unauthorized access or changes, safeguarding critical systems and protecting sensitive data.

Optimized Resource Utilization: Promotes cost savings by reducing downtime, improving asset management, and enhancing overall infrastructure performance.

Real-Time Monitoring: Tracks network connections and device status, ensuring immediate insights and improving operational reliability.

Automated Documentation: Maintains accurate, up-to-date records of infrastructure changes, reducing manual effort and enhancing compliance with industry standards.



PHYSICAL INFRASTRUCTURE MANAGEMENT

FOR DATA CENTERS

Revolutionizing Data Center Efficiency with PIM

In the fast-paced world of modern data centers, efficiency and reliability are paramount. **Physical Infrastructure Management (PIM)** solutions streamline operations by providing real-time monitoring, automated documentation, and fault detection. These technologies ensure seamless connectivity, minimize downtime, and optimize resource utilization, empowering data centers to meet the growing demands of digital transformation.

Applications

Patch Panel Automation:

- Tracks patch panel activity to streamline changes and prevent misconfiguration during maintenance or upgrades.

Rack-Level Monitoring:

- Provides detailed insights into rack utilization, heat generation, and equipment performance.

Migration Support:

- Simplifies data center migrations by mapping and documenting physical and logical connections for smooth transitions.

Enhanced Security:

- Detects unauthorized access or changes to infrastructure, safeguarding critical systems.

Automated Asset Management:

- Keeps an accurate inventory of all physical and virtual assets within the data center.

PHYSICAL INFRASTRUCTURE MANAGEMENT

FOR INDUSTRIAL AUTOMATION

Enhancing Industrial Automation with PIM

In industrial environments, where precision and reliability are critical, Automated Infrastructure Management (AIM) solutions streamline operations by monitoring IoT devices, managing complex network connections, and ensuring seamless data flow. **Physical Infrastructure Management (PIM)** enhances efficiency, reduces downtime, and supports predictive maintenance, enabling smarter and more resilient industrial automation systems.

Applications

Factory Floor Optimization:

- Maps and manages the physical infrastructure to support reconfigurable manufacturing setups.

Remote Monitoring:

- Allows operators to oversee infrastructure performance and connectivity from anywhere, enhancing flexibility.

Cabling and Connectivity Management:

- Ensures reliable connections between machinery, controllers, and monitoring systems.

Downtime Reduction:

- Identifies connectivity issues in real time to minimize production halts and enhance uptime.

Dynamic Infrastructure Mapping:

- Provides a visual layout of devices, cables, and network paths for easier troubleshooting and expansion.

PHYSICAL INFRASTRUCTURE MANAGEMENT

FOR HEALTHCARE FACILITIES

Transforming Healthcare Facilities with PIM

In healthcare environments, where reliability and precision are vital, **Physical Infrastructure Management (PIM)** solutions streamline network operations, manage medical device connectivity, and ensure real-time data flow. By enhancing security, minimizing downtime, and supporting compliance, AIM empowers healthcare facilities to deliver efficient, uninterrupted patient care.

Applications

Medical Equipment Integration:

- Monitors and manages connected medical devices, ensuring optimal functionality.

Security and Compliance:

- Tracks infrastructure changes to maintain compliance with healthcare regulations and prevent unauthorized access.

Optimized Resource Allocation:

- Helps allocate IT resources efficiently, ensuring that systems supporting critical healthcare operations are always available.

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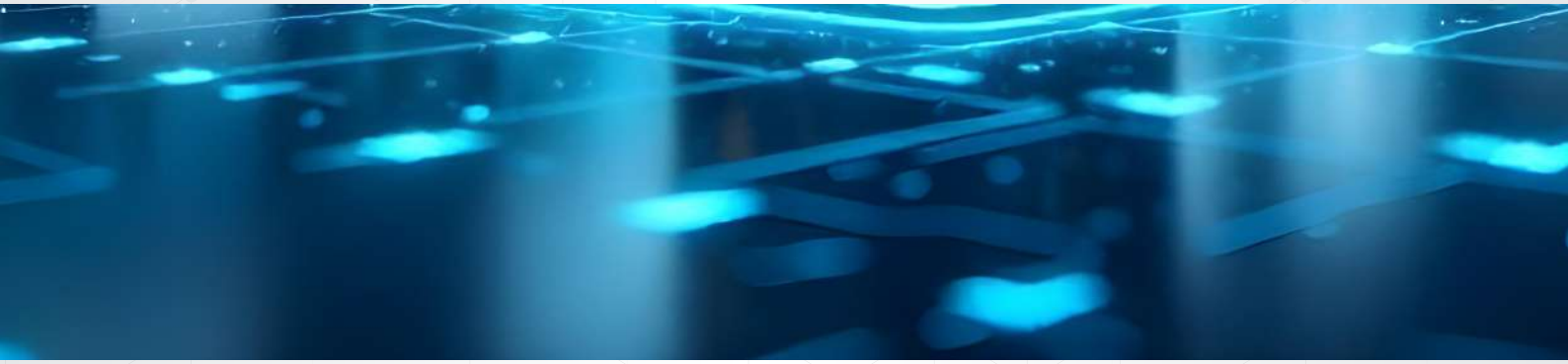

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