



bridging the gap
between IT investment and critical enterprise results

MIIM™

bridging the gap

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A cornerstone of any business is an IT network that operates efficiently and reliably, and one that delivers powerful information to enable decision making on demand. With today's streamlined operating budgets, network managers and IT teams must operate with fewer resources, while providing network bandwidth availability and issue resolution quicker than ever.

Now by taking control of your most extensive IT asset - the physical layer infrastructure - you can know more about network status and connected devices, resolve issues quicker, and provide a more robust and secure network to your users and the business than ever before.

MIIM™ Advanced Physical Layer Management enables your IT investment to improve business results through increased productivity, access to quality information and reduced down time creating a healthier organisation.

MIIM is a game-changing solution that allows you to make the most of your network, your people and your budget.

The MIIM Advanced Physical Layer Management system delivers benefits across all types of businesses.

Delivering to the wider organisation

Better control and visibility of your physical layer infrastructure will deliver measurable improvements to both daily and long term IT/Network management. It will reduce time, cost, resource, and purchasing outlays, while simultaneously improving response and security efforts.

Using revolutionary technology, MIIM Advanced Physical Layer Management delivers business improvements targeting:

- Accurate, automated asset auditing in real-time
- Improved management of people, connected devices and facilities
- Proactive IT response (help desk, daily processes, reporting)
- Increased network security
- Cost, time and effort efficiencies through capacity evaluation and resource usage
- Disaster recovery (maps, rack elevations and reports for rebuild/connectivity identification)
- Seamless, multi-site network management



MIIM™

delivering beyond

Value - delivered

MIIM Advanced Physical Layer Management surpasses expectations and delivers exceptional benefits to any type of enterprise. Education, health care, financial services, government, oil & gas, mining, industrial, leisure, utilities, security services, airports and managed service teams can all rely on MIIM's unique capabilities to deliver measurable IT management improvements.

Network Security

MIIM monitors the presence of connected devices, and provides alerts on unauthorised connections or disconnections on the network. The removal of an IP Security Camera, lifesaving medical equipment, or expensive network printer can be instantly and selectively communicated, along with its precise location on a building map, even if the connected device is turned off. Likewise, attempts to attach to the network by unauthorised connected devices - such as Wireless Access Points in a conference room or personal laptops - are also instantly recognised and alerted.

Remote Management

A single MIIM server supports a virtually unlimited number of users across a global enterprise providing instant access to complete information about the physical channel and attached devices wherever they are located. This allows on-site office personnel to implement changes and correct local IT problems under the direction of skilled centrally-based technicians, eliminating the costs associated with a traditional 'time and travel' approach. This centralisation supports the adoption of streamlined, consistent and efficient approaches to IT management.

Network Management

For the first time, businesses can have visibility to changes in their physical layer infrastructure and communicate this to their network management systems. Through this interface to higher level management systems, users can expand their understanding of their structured cabling configuration and communicate this information to key stakeholders.

MIIM Reports supplement the ability to report on infrastructure and endpoints by providing real-time views and status of the structured cabling configuration, asset connectivity, and physical location of connected devices. This expanded visibility and information allows for higher level analysis and improved quality of decisions.

Asset Management and Auditing

MIIM gives users the unique ability to monitor the physical layer infrastructure at any time. Unlike other infrastructure monitoring solutions, MIIM detects the complete end-to-end channel from the switch to the work area outlet including attached devices. Rather than relying on the limitations of periodic polling and inferred data, MIIM monitors and reports on device identities when it senses a change in the channel.

MIIM manages work order flow and confirms proper completion of work orders, thereby improving the accuracy of Moves, Adds and Changes (MAC's).

Such polling and work order efficiencies support improved accuracy of IT data/management allowing business critical applications to run uncompromised.

Revolutionary » Powerful » Unique

MIIM's integrated approach revolutionises infrastructure management. MIIM is designed to monitor and manage the complete physical channel and attached devices all the way from the telecoms room to the work area outlet in real-time, regardless of whether the device is powered on or off. MIIM senses immediately when there's a change across the channel and creates alerts associating the change to an exact mapped location in a building.

MIIM has the ability to monitor and report on full channel information accurately and instantaneously, without the limitations of other systems. Because MIIM does not rely on archived switch tables, which may not reflect up-to-the-minute connected device identification, it provides a distinct value that sets it apart from other solutions. Data latency, associated with a dependence and limitation of periodic polling, is common with legacy 'smart patching' systems which potentially leads to inaccurate information.

With MIIM: accurate and current information 24/7 is assured.

MIIM™

simplicity



Simplicity

MIIM has been designed from the ground up with the goal of keeping it simple – simple to engineer, simple to install, and simple to operate.

Used as a stand-alone tool, MIIM provides visibility and management of physical layer infrastructure elements never previously monitored and reported

It's simplicity also allows for easy communication to other existing network management tools.

Either way, MIIM is a keen source of new and valuable information for businesses.

With no need for special patch cords, cables, or display screens, the decision to invest in MIIM is simple.

Integration

MIIM utilises SNMP (Simple Network Management Protocol) to provide data to Network Management System (NMS) tools regarding the status of structured cabling and connected devices. This extends the capability of your NMS to help you manage the physical layer in a way never before possible.

This interface complements a variety of popular NMS tools allowing organisations to better leverage current investments, enhance IT management through the addition of new information and ultimately provide an improved holistic view of their physical layer infrastructure.

MIIM™

real-time visibility

Constant contact

The theft of valuable assets negatively hits the bottom line of any organisation. Finding out at 10am on a Monday morning that a device went missing at 4pm the previous Friday is a problem.

The potential loss of secure data has repercussions on any business – think confidential patient records, secret government files, credit card information or proprietary technology blueprints – even sensitive emails. But it's not unusual for such delays in the reporting of missing assets for networks that rely on polling through switches to determine whether an attached device is disconnected.

Knowing where and when an event happens and reporting it instantly is a huge advantage to a business. Whether it's a fault, or an unauthorised connection or disconnection, immediate visibility is critical to day-to-day operations. MIIM has the ability to identify these events and alert anyone anywhere for quick action. Equally, if an incident occurs, MIIM will identify and potentially rule out if the physical layer is involved - a valuable troubleshooting tool to free up man hours and expense.

Device Discovery Toolkit capabilities identify discovered assets and update MIIM records as changes occur – a distinct advantage compared to legacy systems. Specifically, with MIIM's Event-Driven Discovery a sensed change in a work area endpoint, whether it's powered on or off, triggers a targeted poll instantly revealing detailed connected device identification.

Convenience in a click

MIIM uses a powerful and intuitive user interface that provides quick and accurate monitoring and analysis of the complete physical channel, including attached devices. Using web-based technology, MIIM conveniently delivers real-time visual representation of all channel elements on building maps. Key features supporting this experience include user friendly pan/zoom and drag/drop capabilities, plus multi-view dashboards.

For the user, this means a complete overview of the physical layer infrastructure, its connected devices, their location in the

building and a high level view of structured cabling utilisation. This information can be accessed from any web-enabled device on your network.

As an extension to MIIM's unique monitoring capabilities, MIIM also supports work flows to manage connected devices. The MAC process for endpoints improves visibility, accuracy and overall management of the physical layer infrastructure.

For the enterprise, this means a reliable and process-driven approach supporting business continuity requirements, disaster recovery efforts, asset auditing and usage, and overall operational improvements. This same convenient access to new and accurate information also drives informed investment and management decisions.

MIIM's capability to integrate with LDAP and Microsoft®'s Active Directory® provides seamless, automatic access to MIIM by any authenticated user.

No bandwidth hungry technology here

MIIM's Directed Discovery capability allows for the discovery and identification of connected devices at any point in time. Data unique to a device, or range of devices, can be queried without polling the entire network and consuming valuable bandwidth.

Most organisations poll their networks during 'off peak' hours to minimise network traffic, thus sacrificing instant access to current and accurate connected device profiles. Having this valuable information at your fingertips, on-demand, means any business can guarantee good practices and immediate response to changes in their physical infrastructure before serious damage occurs.

MIIM™

smoothing pain points



Key Benefits - A Summary

Enhanced Network Management

Simplified remote management of end-to-end connectivity and connected devices

Improved asset utilisation – accurate & real-time visibility

Revolutionary targeted discovery of connected devices based upon channel state changes

Communication with higher level Network Management Systems

New and valuable data from your physical layer infrastructure delivered as 'decision grade' information by MIIM Reports

Enhanced Network Security

Superior intrusion detection (connection of rogue devices)

Improved detection of unauthorised asset changes – even if the attached device is powered off

Customised distribution of alerts and alarms pinpoint change details on a 'need-to-know' basis

Complete Physical Layer Monitoring

Continuous monitoring of the physical layer infrastructure from the telecoms room to the work area

Seamless integration with Internet Protocol (IP)-based systems

Improved Productivity

Powerful and simplistic hierarchical view of end-to-end physical layer infrastructure

Sophisticated web-based software – managed from any location

More efficient MAC & work order management for patches, switches & connected devices

Less downtime – faster and less expensive troubleshooting

Fool-proof guided patching – eliminating human error

MIIM™

Full Support

Warranty, Training and Support

MIIM is unique. To show our investment and commitment, Molex Premise Networks works alongside exclusively trained partners around the world to support our solution and the companies that invest in our products.

We have a sophisticated and user-friendly Customer Support Portal (CSP), with its KnowledgeBase, FAQs, and Forum providing continuous updates, support and a community for MIIM users to share knowledge and challenges.

To keep you operational, we stand behind our solutions by offering full Product, System Performance and Application Assurance Warranties along with subscriptions for MIIM Application Maintenance and MIIM Hardware Warranty programs.

Molex Premise Networks offers support to organisations, whether they are simply assessing their infrastructure requirements, upgrading a legacy system, or ready to implement a new network. We have high quality manufacturing processes, a global network of professionally trained installers and highly trained technical and support personnel.

By choosing Molex Premise Networks, you can be safe in the knowledge that whatever the project, our goal is to ensure that your transfer to a new system runs as smoothly as possible.



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