



## MIIM™

### Advanced Physical Layer Management

#### What we do

For over 30 years Molex has manufactured innovative data transport and advanced management solutions.

Bringing Advanced Physical Layer Lifecycle Management to Enterprises Worldwide

#### Standards Compliance

TIA/EIA 568-C.2  
ISO/IEC 11801  
AS/NZS 3080  
EN 50173



# Bridge the gap between IT investment & critical business results

The cornerstone of any enterprise 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 surpasses expectations and delivers exceptional benefits to any organisation. 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.

Better visibility and control of your physical layer infrastructure will deliver these improvements to both daily and long term IT/network management, impacting the wider organisation through:

- Streamlined asset auditing
- Improved management of people, devices and facilities
- Proactive IT response (helpdesk, daily processes, reporting)
- Reduced cost, time and effort based on improved capacity evaluation and resource usage
- Cost, time and effort efficiencies through capacity evaluation and resource usage
- Enhanced support for Disaster Recovery (maps and reports aid rebuild/connectivity identification)
- Efficiencies gained through seamless, multi-site network management

MIIM Advanced Physical Layer Management solution continuously monitors your network providing accurate, real-time data which IT departments can leverage to support critical business needs.

Using revolutionary technology, MIIM Advanced Physical Layer Management enables:

#### » IT Asset Management

Knowing exactly what and where devices are connected to your network

#### » Physical Network Security

Automatic 24/7 monitoring of the physical channel, immediate change detection including attached devices and configurable SNMP-based communication to higher level Network Management Systems

#### » Infrastructure Continuity & Recovery

Ability to accurately rebuild the physical layer infrastructure because you know what has changed since day one

#### » Global Monitoring & Management

Remote management of multi-site networks from a single location supports faster response, more accurate data, process-driven efficiencies and informed management decisions





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# Bridge the gap between IT investment & critical business results

Molex Premise Networks has developed a unique and innovative solution which allows you to make the most of your network, your people and your budget. MIIM Advanced Physical Layer Management solution provides your business with the most advanced physical layer management capabilities.

#### Monitoring of the Physical Layer Infrastructure

- Continuously monitors and maps the physical layer including the structured cabling, attached switches and endpoint devices - even if the device is powered off
- Verifies the continuity of the horizontal cable to the work area outlet, detects broken connections, and identifies faults due to patching in the transmission room, breaks in the horizontal cable, or disconnects of the patch between the work area outlet and the end user's PC
- Tracks attached devices in real-time with Event-Driven Discovery - MIIM always knows what's connected and where it's located
- Uses customised alerts to notify appropriate personnel in case of unauthorised disconnects or attempts to attach to the network

#### Management of the Network Infrastructure & Resource

- Compares the as-deployed elements of the physical layer infrastructure against the as-designed intent highlighting variations
- Provides simplified work order management and process flow, including scheduling and records all moves, adds and changes (MACs), plus work order verification
- Offers patch guidance for technicians, with patch panel LEDs indicating pending work orders by port
- Turns new and comprehensive physical layer data into valuable information

#### Key User Benefits

##### Enhanced Network Security

Proactive management of potential threats  
Instant threat identification – sense rogue devices on the network

##### Increased Productivity

Automated work orders eliminate human errors, support accurate documentation and reduce costs  
Detailed record of technician involvement drives accountability  
New and powerful information highlights the impact of connectivity during issue resolution

##### Improved Asset Management & Utilisation

Comprehensive but simple hierarchical view of the end-to-end physical layer infrastructure  
Instant automated access to valuable data improves facility practices – eliminating physical audits  
Innovative mapping of the complete physical layer including attached devices provides new information on exact asset locations  
Accurate and real-time visibility of infrastructure assets  
Quick reconciliation of purchases against deployment

##### Improved Performance

Reduced downtime  
More efficient troubleshooting – saving both time and costs  
Instant reporting on infrastructure change adds new information to IT operations without adding unwanted traffic

##### Simple Implementation & Management

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.

With no need for special patch cords, cables, or display screens, plus integration with other network management tools - the decision to invest in MIIM is simple.