Intelligent Patch Panel (IPP)

Complete equipment connectivity and control for test, automation and monitoring applications

APPLICATIONS

- Network optimization
- Network testing and monitoring
- Multi-site resource sharing
- Traffic management: Filtering, Aggregation and Load Balancing
- Automation
- Network Event Detection
- Active Remediation: Filtering and Quarantine, Decapsulation, Encapsulation, Time Stamping
- Automation, Tool Chaining and Mirroring

BENEFITS

- Reduce complexity and simplify operations with a distributed architecture.
- Reduce CapEx and OpEx: Improve equipment utilization and eliminate wasteful over-provisioning with reduced space, power and cooling requirements combined with a modular and scalable.
- Accelerate time-to-market and reduce time-to-deployment: Seize new market opportunities and expedite the rollout of new services with advanced and open machine-to-machine (M2M) controls and an intuitive graphical user interface (GUI) tosupport automated connectivity and rapidly changing business requirements.

PRODUCT OVERVIEW

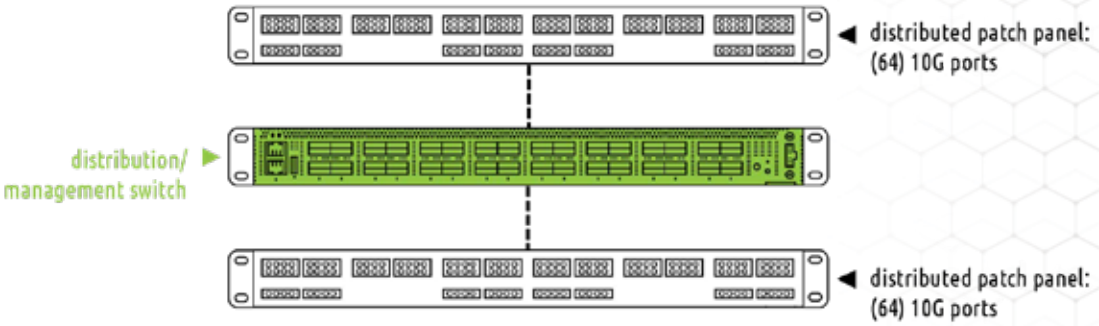
The MantisNet Intelligent Patch Panel (IPP) is a game-changing solution for test, automation and monitoring applications. Designed with an innovative software-defined networking (SDN) architecture that delivers 100% non-blocked performance: it sets the standard for cost, performance, and scalability. The IPP allows network engineers to take complete control of equipment connectivity, providing a flexible interface for users to:

- Send production and test traffic wherever it is needed
- Share expensive resources between multiple data center/lab locations
- Automate repetitive tasks associated with connecting equipment for testing
- Mix and match different speeds across 10G/25G/40G/50G/100G in a single solution

PRODUCT DESCRIPTION

The MantisNet Intelligent Patch Panel (IPP) is a modular switching system that allows users to connect any port to any other port within the IPP system.

Designed around a distributed architecture, the IPP introduces the L1 switching market to a new infrastructure model- along with flexible management and advanced automation capabilities.



The IPP is available in two models: The IPP-32, and the IPP-64

IPP-32

(128) 10G ports, split between two locations (64 ports per location)

**multiple ports can be used for network monitoring functionality (all 32 ports can handle 10G/25G/40G/50G/100G network connections)*

IPP-64

(256)10G ports, split between four locations (64 ports per location)

**multiple ports can be used for network monitoring functionality (all 64 ports can handle 10G/25G/40G/50G/100G network connections)*

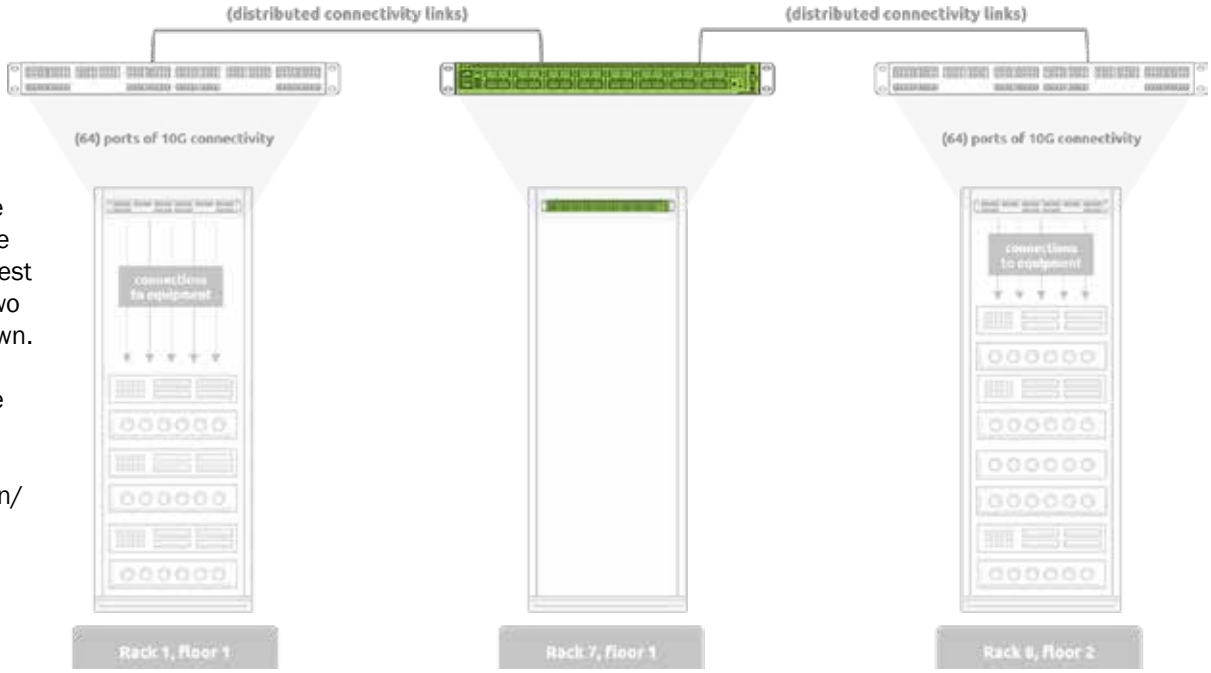
**available via software license*

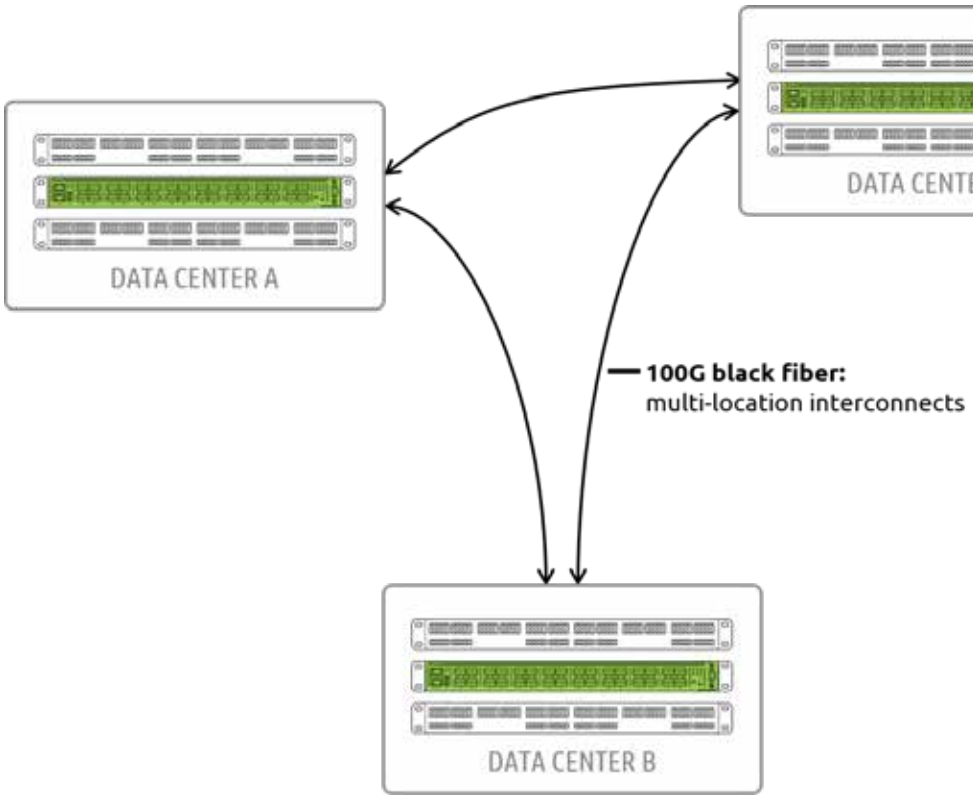
DISTRIBUTED CONNECTIVITY AND RESOURCE SHARING

The IPP allows users to spread network connectivity across multiple test tools and equipment, while also providing an interface to easily control the entire environment. The flexibility of the IPP design allows users to distribute connection points more easily than with a traditional layer 1 switch. Whether you are connecting equipment and resources withing a single lab, or across many labs, the IPP lays the groundwork for an adaptive infrastructure that can easily be controlled and automated at a fraction of the cost of traditional connectivity solutions.

INTRA-DATA CENTER CONNECTIVITY

Within a single data center, the IPP brings a new layer of flexibility in to equipment connectivity. Through the use of an IPP, users can distribute patch panels to where their test equipment is located- be it two racks over, or three floors down. Once the connections are made, the user has complete control over every single port- and the ability to record settings for future automation/ test set up.





INTER-DATA CENTER CONNECTIVITY

Many organizations (such as telecommunications and content providers) have multiple labs/data centers located across geographically dispersed locations. These same organizations also often have the benefit of 100G dark fiber running between the locations- a fact that is very useful when it comes to resource sharing across an organization.

Why? MantisNet IPP systems have native 100G capabilities. Users can connect multiple IPP systems, located in geographically dispersed locations, via 100G network connections (as many as needed for desired throughput). Organizations can now share resources between multiple labs, check with colleagues on test results, and automate processes across multiple test group locations.

ADDITIONAL CAPABILITIES THROUGH SOFTWARE LICENSES

The IPP is a robust networking system- allowing users to expand capabilities beyond “port to port” connectivity. MantisNet offers additional SW licenses for the IPP, which allows the device to start applying sophisticated network monitoring functions on data flowing within the system. This functionality can be applied across any and all ports, allowing users to instrument a solution for connectivity AND visibility.

Additional software licenses are approved for all ports, at all speeds (10G/25G/40G/50G/100G).

- Network optimization
- Deep protocol parsing and filtering
- Continuous survey and monitoring
- Clean up heavily over-encapsulated traffic
- Traffic management: filtering, aggregation and load Balancing
- Anomaly detection and fault Isolation
- Network event detection
- Active remediation: filtering and quarantine, decapsulation, encapsulation, time stamping
- Automation, tool chaining and mirroring

ABOUT MANTISNET

MantisNet develops Software Defined Network (SDN) and Network Function Virtualization (NFV) network intelligence solutions that provide businesses and governments real-time network monitoring solutions, for 100G speeds and beyond. MantisNet’s solutions better enable network teams to monitor, manage and engineer the increase in network traffic flows they’re experiencing compared to the preceding generation of packet brokers, firewalls, load balancers and event management solutions.

MantisNet combines end-to-end visibility, wire-speed network monitoring and protocol analysis (from L2 to L7) with the ability to perform real-time traffic engineering and remediation against operational issues, security threats, fraud, and malicious activities, either manually or autonomously. Our solutions are deployed at leading telecom, service providers, NEM labs and government sites. We work to make network intelligence actionable for a broad range of DevOps, network and application performance testing, streaming analytics, and cyber security applications.

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