MapIT® G2 Master and Distribution Control Panels
Automated Infrastructure Management System

Regional Availability - Global

The MapIT G2 Master Control Panel (MCP) collects all network infrastructure data provided by the Smart Patch Panels and Fiber Enclosures, monitoring up to 2880 ports in just 1 rack mount space (1U). The MCP and DCP feature an integrated LCD display and keypad, which provide technicians access to critical network architecture and diagnostic information. By providing this interactive interface locally within the patching zone, the MapIT G2 system eliminates the need for technicians to carry a tablet or directly access the EagleEye Red™ application. This user interface allows full end-to-end graphic circuit traces for any channel in the system and can perform diagnostic tasks on any component or port.

Excellent Thermal Efficiency

The MCP and DCP's combination of ultra-low heat generation and a low profile design limits airflow impedance, helping to maximize cooling efficiency in data center environments.

Reduced Power Consumption

75% lower power consumption compared to traditional intelligent patching systems for monitoring equipment. This power savings decreases operating expenses and provides a more environmentally friendly solution.

Superior Density

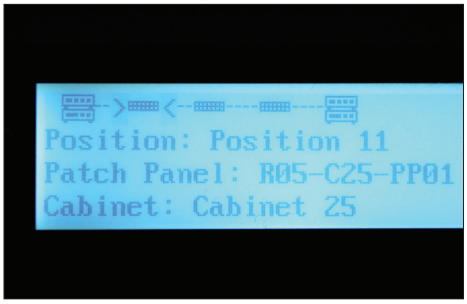
Low profile 1U design increases density and reduces usage of costly rack space in data centers and telecommunication rooms.

Simple, Multi-Functional User Interface

Large graphic LCD and keypad enables technicians to view circuit traces, patch cord traces, perform diagnostics and more, improving efficiency inmaintenance and MAC work.

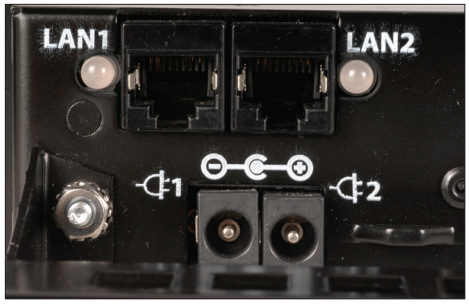
Ease of Implementation

Simple design and straightforward implementation and setup reduces the time and technician skill required to design and install the system.



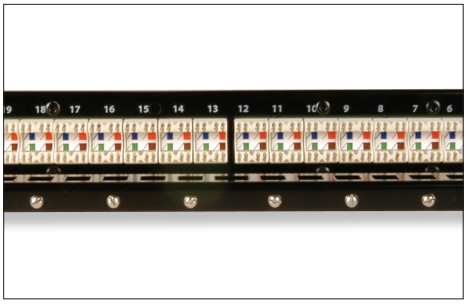
Enhanced IT Efficiency

Trace and display patch cord connections on the panel LCD.



Redundant Power and Ethernet

Redundant power and network connections for increased reliability.



Field-Terminated Control Connections

No need for proprietary cables to make connections from the MCP to panels.

Product Information

Item	Feature	Benefit
SMART FEATURES	Large graphic LCD and keypad to view circuit traces, patch cord traces, perform diagnostics and more.	Improves technician efficiency.
TOPOLOGIES FEATURE	Supports both cross-connect and interconnect topologies.	Interconnect topology provides maximum rack density and lower cost. Cross-connect provides 100% patching accuracy.
RESILIENT	Redundant power and Ethernet.	Increases reliability, reduces downtime.
PHYSICAL LAYER MONITOR	Monitors patch cord connections.	Identify unauthorized disconnections, protects critical applications, ensures accurate documentation.
DENSITY	Each unit monitors up to 2880 ports.	Increases density and reduces cost.
POWER	Significantly lower power consumption for monitoring equipment.	Decreases operating expenses, helps the environment.
HEAT	MCP and DCP run cold and their low profile does not impede cooling airflow in cabinets.	Helps maximize cooling efficiency in data center environments.
CONNECTIONS	Control connections can be made using category 6A stranded shielded cable. Control connections can be punched down on the rear of the panel or RJ45 modular connections may be used on the front of the panel.	Readily available, low cost, field configurable. Flexible connection points allow the user to determine how and where to make control connections.
SELF DIAGNOSTICS	MCP continually monitors all components in the system and reports issues to EagleEye software.	Makes maintenance of the MapIT® G2 system simple, reduces downtime.
SCALABLE	MCP can monitor as few as 24 ports or up to 65,000 ports.	Cost effective solution for monitoring small remote offices, large data centers or office/campus environments.
INSTALLATION	Easy to understand and configure.	Reduces the time required to design and install the system.
RELIABLE	Tested to Mean Time Before Failure (MTBF) of 20 years.	Improves product reliability and life.

Product Information

Weight and Dimensions

HEIGHT	44.45mm (1.75 in.)
WIDTH	482.6mm (19 in.)
DEPTH	101.6mm (4 in.)
WEIGHT	2.27kg (5 lbs)

Network (MCP only)

NETWORK	Ethernet, 10/100BASE-T
NUMBER OF ETHERNET PORTS	2 (switching) with LED status indicators
PROTOCOL	TCP/IP
SNMP	SNMPv1

LCD Display

SIZE	128 x 32 pixels
TYPE	Graphic
BACKLIGHT	White LED
TIMEOUT	User programmable 2 to 999 minutes

Power Supply

FORM FACTOR	External
FREQUENCY REQUIRED	50-60Hz
NOMINAL VOLTAGE	AC 100-240V
POWER CONSUMPTION OPERATIONAL	6.0V, 3.0A
TYPE	Power Adapter
SUPPLIED INTERFACES	US, UK, Europe, Japan, China, Australia
NUMBER OF POWER INPUTS	2

Environmental

OPERATING TEMPERATURE	0° to 45° C (32° to 113° F)
OPERATING HUMIDITY	Up to 90%, non-condensing
STORAGE TEMPERATURE	-40° to 70° C (-40° to 158° F)
STORAGE HUMIDITY	Up to 90%, non-condensing

EMC

FCC Part 15 (47 CFR 15) Class A, ICES-003 Class A,EN55022/CISPR 22 Class A, AS/NZS 3548 Class A, CCC.

EMC Immunity

EN/IEC 61000 - 4-2	EN/IEC 61000 - 4-4	EN/IEC 61000 - 4-6
EN/IEC 61000 - 4-3	EN/IEC 61000 - 4-5	EN/IEC 61000 - 4-11

Safety

IEC/EN/UL/CSA/AS/NZS 62368-1: Audio/video, information and communication technology equipment Part 1: Safety requirements

Ordering Information

Part Number	Description
M-MCP-R2	MapIT Master Control Panel, 1U, black*
M-DCP	MapIT Distribution Control Panel, 1U, black*

MapIT® G2 Master and Distribution Control Panels

The MCP is the bridge between the Siemon intelligent patch panels and our EagleEye Red™ software. All patching change information is collected by the MCP and relayed to the software. The MCP also provide an easy to use interface for technicians to get circuit trace and work order information.

*Includes mounting hardware (1) probe pen, (1) power supply with adapters for various regions, rear cable manager, cable ties, S310 stuffer caps and ground lug.

Optional Accessories

Second Power Supply

One power supply if provided with the MCP or DCP. A second power supply can be purchased and used to provided redundant power for added resiliency.

Part Number	Description
M-PS	6.0V, 3.0A power supply for MCP or DCP

Replacement Probe Pen

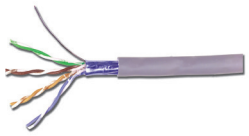
Replacement probe pen may be purchased in the event the one provided with the MCP/DCP is lost or damaged.

Part Number	Description
M-PEN	MapIT pen probe, 7.62m (25 ft.) cord

Category 6A Stranded, Shielded Cable for Bus Connections

Most times a standard Siemon shielded patch cord can be used to make connections from the MCP to MapIT patch panels (bus cable connections). In cases where custom length patch cords or termination to S110 blocks on flat panels are required, use Siemon's category 6A stranded, shielded cable.

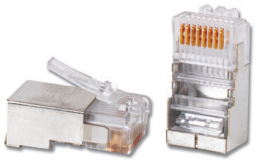
Part Number	Description
4T7D4-E10-025CR	LSOH, Category 6A, Stranded, Shielded, White jacket, 500m REEL



PS8-8 Shielded RJ45 Plugs

The RJ45 plugs can be used with out category 6A stranded, shielded cable to make custom length control bus cables.

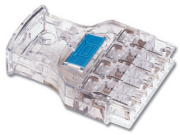
Part Number	Description
PS-8-8	8-position shielded modular plug with 8 contacts (compatible with Siemon and Tyco crimp tools)



S110® Patch Plugs

Siemon S110 patch plugs can be used for connections to MapIT G2 flat patch panels.

Part Number	Description
S110P4	4-pair, field-terminated S110 patch plug (colored icons not included)



Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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