MapIT® G2 Infrastructure Management

Introducing MapIT G2, a complete upgrade of Siemon's popular MapIT intelligent infrastructure management (IIM) solution. MapIT G2 integrates a powerful combination of innovative Smart Patch Panels, user-friendly Master Control Panels and MapIT IM software to provide real-time tracking and reporting of network-wide physical layer activity. This benchmark IIM system offers truly unparalleled capacity to manage complex networks.

- **28% of downtime in data centres is due to change and human error[1]**
- **Every hour of downtime costs $100K[1]**
- **49% of Fortune 1000 IT managers listed reducing cost as a top priority[2]**

1 - 2007 Symantec Survey
2 - mValent 2008 Market Survey

SECTION CONTENTS

MapIT G2
Master and Distribution Control Panels

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

Superior Density
Low profile 1U design increases density and reduces usage of costly rack and cabinet space in data centres and telecommunication rooms

Scalable
MCP can monitor as few as 48 ports and up to 65,000 ports to cost effectively monitor small remote offices, large data centres or office/campus environments

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

Excellent Thermal Efficiency
The MCP and DCP's combination of ultra low heat generation and a low profile design limits airflow impedance, helping to maximise cooling efficiency in data centre environments

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 in maintenance 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

High Resiliency
Redundant power and Ethernet connectivity provides increased reliability, reduces downtime

MCP Graphic LCD

Redundant power and Ethernet

Field-terminated control connections
(RJ-45 Front or S310 Rear)

SIEMON

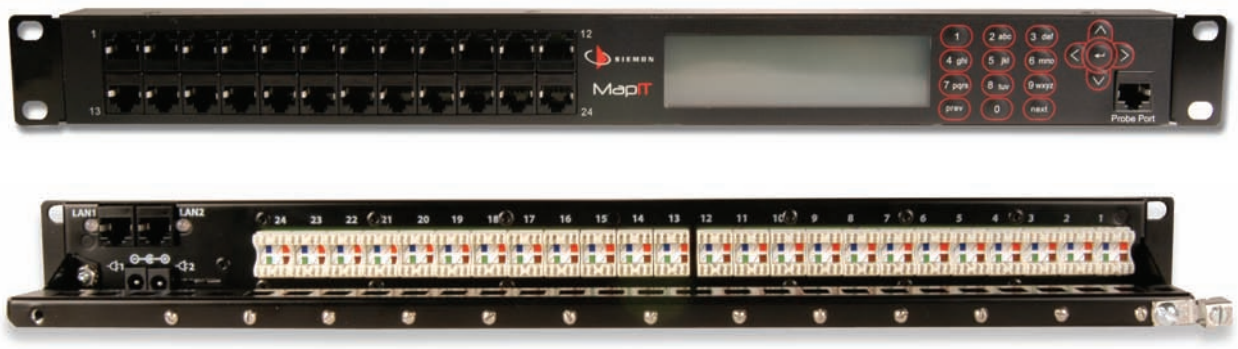
MapIT G2
Master and Distribution Control Panels

Ordering Information

M-MCP . . . . . MapIT Master Control Panel, 1U, black*
M-DCP . . . . . MapIT Distribution Control Panel, 1U, black*

*Includes (1) probe pen, rear cable manager, cable ties, S310 termination caps and ground lug

Note: 1U = 44.5mm



Optional Accessories

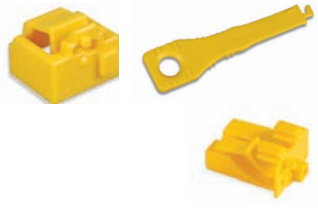
Power Supply
M-PS. . . . . 6v, 3amp power supply for MCP or DCP

Replacement Probe Pen
M-PEN . . . . . MapIT probe pen, 7.62m cord

Category 5e Shielded Cable for Control Connections
9A5M4-E2. . . . . PVC (CM, IEC 60332-1), Grey jacket, 305m Reel-in-Box
9A5L4-E2 . . . . . LS0H (IEC 60332-1), Violet jacket, 305m Reel-in-Box

PS8-8 Shielded RJ-45 Plugs
PS-8-8. . . . . 8-position shielded modular plug with 8 contacts
(compatible with Siemon PT-908 and Tyco crimp tools)

110 Patch Plugs
S110P4. . . . . 4-pair, field-terminated S110 patch plug (coloured icons not included)



LockIT™ RJ-45 Outlet Lock
LL-05. . . . . LockIT Outlet Lock, bag of 10, includes 1 LockIT Universal Key
LL-LC-05. . . . . LockIT LC Adapter Lock, bag of 10, includes LockIT Universal Key
LKEY-05 . . . . . LockIT Universal Key, bag of 10

MapIT G2 Copper Systems

MapIT G2 Smart Patch Panels

The MapIT G2 Smart Patch Panel (SPP) is an industry first in intelligent infrastructure management. The panel features on-panel intelligence and a combination of LEDs and a backlit graphic LCD to guide technicians. The LCD can be used to display patch cord trace and diagnostic information. It can also be used to troubleshoot network issues, which can drastically reduce downtime and increase productivity. Since it is actively connected to your database, you could even use it as a virtual label, dynamically displaying panel and port information directly from the MapIT database.

On Panel Intelligence
Port monitoring capability is built into each patch panel - Increases density and reduces cost.

High Reliability
Redundant power and communications to each smart patch panel.

Self Diagnostics
If a SPP is disconnected from the system, the MCP will report it to the MapIT software, which can trigger an alert to an IT manager or technician to fix the problem.

Scalable
Equally cost effective solution for monitoring small remote offices, large data centers or office/campus environments.

Ordering Information

Patch Panels

M-SPP-K24E . . . . . MapIT 24-port modular Smart Patch Panel, accepts Siemon UTP or shielded keystone outlets (sold separately)
Includes (4) S110 termination caps, 24 cable ties and panel ground lug 24
MapIT IM software port licenses included with each panel

Keystone Z-MAX Shielded Outlet

Siemon Keystone Outlets

Z6A-SK01 . . . . . Keystone shielded Z-MAX™ 6A outlet, black*, T568A/B
Z6A-K01 . . . . . Keystone UTP Z-MAX 6A outlet, black*, T568A/B
Z6-K01 . . . . . Keystone UTP Z-MAX 6 outlet, black*, T568A/B
MX6-K01 . . . . . Keystone UTP MAX 6 outlet, black*, T568A/B (not shown)
*Other colours available

Keystone Z-MAX UTP Outlet

MapIT IM Software

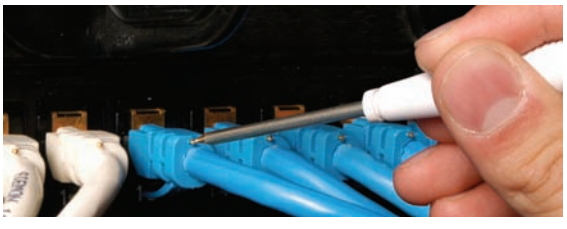
This robust program manages, monitors and documents your network infrastructure through Siemon's MapIT G2 connectivity. For more information on MapIT IM software, including features, capabilities and system requirements, please contact your local Siemon representative, or visit **www.siemon.com**.

MapIT G2 Copper Systems

MapIT G2 Patch Cords

These advanced cords also feature a 9th wire and sensor pin contained in a robust over-moulded boot.

This embedded sensor technology enables tracking of connections between Smart Patch Panel ports.



Supports Siemon's High-Performance Systems
Category 6A shielded, category 6A UTP and category 6 UTP

Reliable Integrated Sensor Connections
Sensor pins feature 50 microinches gold plating for long-term contact reliability and resistance to corrosion

Simple Testing Features
Sensor pin is accessible at the rear of the boot for test and mapping purposes

Robust Strain Relief
Over-moulded boots provide plug to cable strain relief and retention of sensor pin. 100% transmission testing ensures component and channel performance

Ordering Information

M-10GMCS-(XX)M(XX)L . . . . . MapIT G2 Category 6A shielded, double-ended, stranded modular cord, colour-matching boot, T568A/B, LS0H

Jacket Colour
02 = White
04 = Grey
06 = Blue

Length
01 = 1 m
02 = 2 m
03 = 3 m
05 = 5 m

M-10GMC-(XX)-(XX). . . . . MapIT G2 Category 6A UTP, double-ended, stranded modular cord, colour-matching boot, T568A/B, CMG

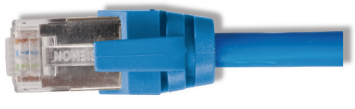
Jacket Colour
02 = White
04 = Grey
06 = Blue

Length
03 = 0.91 m
05 = 1.52 m
07 = 2.13 m
10 = 3.05 m
15 = 4.57 m
20 = 6.10 m

M-MC6-(XX)-(XX) . . . . . MapIT G2 Category 6 UTP, double-ended, stranded modular cord, colour-matching boot, T568A/B, CMG

Jacket Colour
02 = White
04 = Grey
06 = Blue

Length
03 = 0.91 m
05 = 1.52 m
07 = 2.13 m
10 = 3.05 m
15 = 4.57 m
20 = 6.10 m



MapIT G2 Fibre Systems

MapIT G2 Smart Fibre Enclosures

The MapIT G2 Smart Fibre Enclosure (SFE) combines on-panel intelligence with robust connectivity and fibre management features for a best in-class intelligent fibre patching solution. An on-board LCD can be used to display patch cord traces and connectivity diagnostic information as well as troubleshoot network issues, which can reduce downtime and increase productivity by remotely guiding onsite technicians.

On Panel Intelligence
Port monitoring capability is built into each SFE - Increases density and reduces cost.

High Reliability
Redundant power and communications to SFE's.

Self Diagnostics
If an SFE is disconnected from the system, the MCP will report it to the MapIT software, which can trigger an alert to an IT manager or technician to fix the problem.

Scalable
Equally cost effective solution for monitoring small remote offices, large data centres or office/campus environments.

Simple Installation
Easy to understand and configure with no need to manually map or test each port - reduces the time required to design and install the system.

Ordering Information

MapIT G2 Smart Fibre Enclosure

M-SFE-LC48-01 . . . . . MapIT G2 LC 48-fibre Smart Fibre Enclosure, 1U black, multimode and singlemode cable compatible. Cable ties, ground lug, fibre management clips, label holder and printable labels included 24 MapIT IM software port licenses included with each panel

Note: 1U = 44.5mm

MapIT G2 Fibre Systems

MapIT G2 XGLO® Jumpers

XGLO MapIT G2 jumpers are built to be the best. These assemblies are constructed with premium fibre that meets IEEE, IEC and TIA specifications for 10 Gigabit Ethernet serial transmission. These advanced cords feature patented MapIT sensor technology – gold-plated sensor pins retained in robust moulded connector clips. These jumpers enable tracking of port connections between MapIT G2 fibre enclosures and LAN equipment.

XGLO Laser Bandwidth Optimised Cable

Reduces impurities in the core of fibre, ensuring robust 10 Gigabit Ethernet transmission

Reliable Integrated Sensor Connections

1 sensor pin and copper wire per each duplex connector tracks connectivity status

High Quality, High Performance Connectors

Jumpers exceed TIA and ISO/IEC requirements for aging, exposure to humidity, temperature extremes, impact, vibration, coupling strength, and cable resistance to stress and strain

Ordering Information

MapIT G2 XGLO Multimode Duplex Jumpers:

M-J2-LCLC5L-(XX) . . . . . LC-LC duplex jumper, MapIT G2 XGLO 50/125 laser optimised multimode fibre, aqua jacket

Length
01 = 1 m
03 = 3 m
05 = 5 m

MapIT G2 XGLO® Singlemode Duplex Jumpers:

M-J2-LCULCUL-(XX) . . . . . LC-LC duplex jumper, MapIT G2 XGLO singlemode fibre, yellow jacket

Length
01 = 1 m
03 = 3 m
05 = 5 m