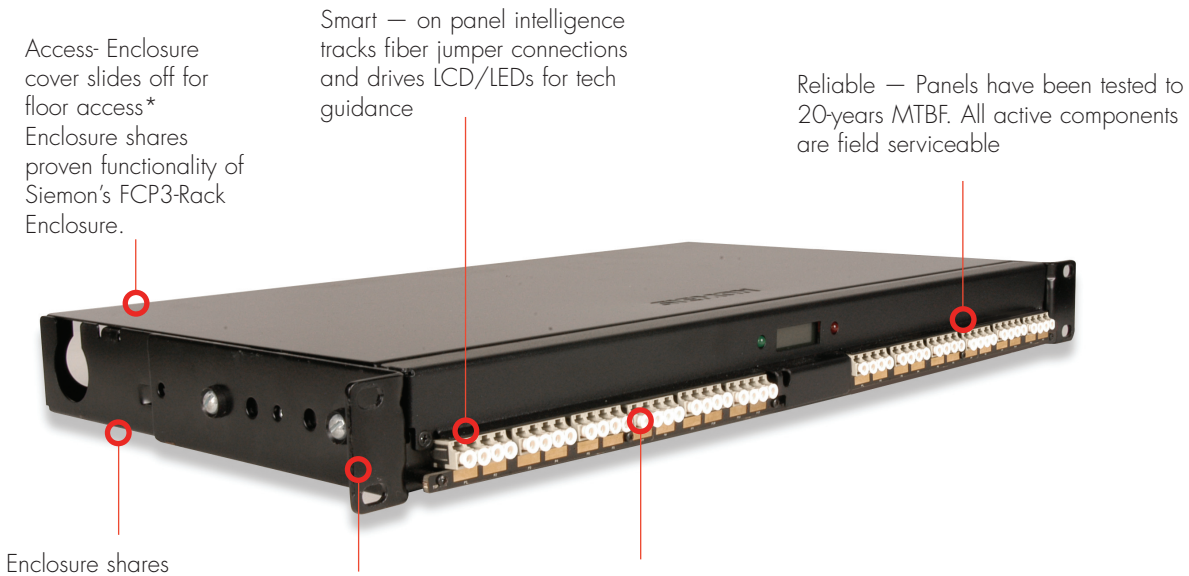
MapIT G2 Smart Fiber Enclosure

The MapIT G2 Smart Fiber Enclosure (SFE) is an industry first in intelligent infrastructure management. The enclosure features on panel intelligence and a combination of LEDs and a backlit LCD to guide technicians. The LCD can be used to display patch cord trace and connectivity diagnostic information. It can also be used to troubleshoot network issues, which can drastically reduce downtime and increase productivity. Also, 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 software.



Trace jumper connections

With a touch of the probe pen a complete end-to-end circuit trace is shown on-screen at the MCP or DCP.

Custom system cables are a thing of the past. Now, category 5e solid shielded cable can be terminated in the field for all Control Cable connections.

** It is recommended to leave unobstructed space above enclosure for accessibilty to fiber and control connections.*

Product Information

Features and Benefits

Item	Feature	Benefit
Smart Features	Backlit graphic LCD and green/red LEDs for patch cord traces, diagnostics and tech guidance	Improves technician efficiency, allows multiple techs to work in the same patch zone without confusion
Resilient	Redundant power and communications to patch panels	Increases system reliability
Physical Layer Monitor	Monitors patch cord connections	Identify unauthorized disconnections, protects critical applications, ensures accurate documentation
On Panel Intelligence	Port monitoring capability is built into each fiber enclosure	Increases density and reduces cost
Heat	SFE runs cold and its low profile reduces blockage of cool airflow in cabinets	Helps maximize cooling efficiency in data center environments
Connections	Control Bus Cable connections can be made using cat 5e solid shielded cable	Readily available, low cost, field configurable
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	Makes maintenance of the MapIT G2 system simple, reduces downtime
Scable	Remote offices can use as few as two SFEs. For data centers, thousands of panels may be used to monitor very large patch zones	Cost effective solution for monitoring small remote offices, large data centers or office/campus environments
Installation	Easy to understand and configure. No need to manually map or test each port	Reduces the time required to design and install the system
Reliable	Tested to MTBF of 20 years	Ensures product reliability and life

Product Information

Specifications

Weight and Dimensions	Height	44.45mm (1.75 in.)
	Width	482.6mm (19 in.)
	Depth	266.7mm (10.5 in.)
	Weight	2.27kg (5 lbs)
Outlet Compatibility	Panel type	48-fiber LC, multimode/singlemode compatible
	Number of Fibers/Ports	48-fiber (24 duplex connections)
	Outlet Type	LC
	Compatible Connectors	LC singlemode and multimode
LCD Display	Size	128 x 32 pixels
	Type	Graphic
	Backlight	White LED
	Timeout	User programmable 3 to 30 seconds
Bus Connections	Connection Type	RJ45
	Ports	1 IN, 1 OUT
	Protocol	RS485
	Control Cable Type	Category 5e solid, shielded
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 - 4-3 EN/IEC 61000 - 4-4 EN/IEC 61000 - 4-5	EN/IEC 61000 - 4-6 EN/IEC 61000 - 4-11
Safety	UL 60950-1-1st Ed (2003) - Information Technology Equipment Safety Part 1: General Requirements ACA TS 001, AS/NZS 3260	

Ordering Information

MapIT® G2 Smart Fiber Enclosure

M-SFE-LC48-01 .....MapIT LC 48-fiber Smart Fiber Enclosure, black. Multimode and singlemode compatible
Cable ties, panel ground lug, fiber management clips, label holder and labels

MapIT LC Jumpers

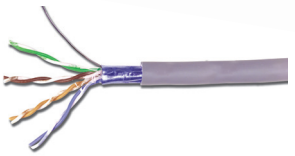
Multimode

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

Singlemode

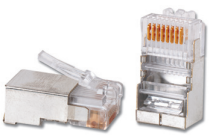
M-J2-LCULCUL-(XX) . . . . . LC-LC duplex jumper, MapIT XGLO singlemode fiber, yellow jacket

Category 5e Shielded Cable for Control Connections



9A5R4-E1-(XX)-R1A .....Riser (CMR, CSA FT4) 305m (1000 ft.), Reel (US)
9A5R4-E2.....PVC (CMR, CSA FT4) Blue jacket, 305m (1000 ft.) Reel-in-Box (International)

PS8-8 Shielded RJ45 Plugs



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

Splice Tray

TRAY-3.....Standard splice tray for up to 24 fusion splices with sleeve protection.

For related product information request Spec Sheet(s):
MapIT G2 Smart Patch Panel (PROD-SS-MAPG2PP)
MapIT G2 Master & Dist. Control Panels (PROD-SS-MAPG2DCP)
System 5e F/UTP Cable-US (PROD-SS-SYS5eFUTPCBLUS)
Premium 5e F/UTP Cable-International (PROD-SS-CB5S)
MAX Modules (Visit our website)

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