

PATCHMAX® GS3 GigaSPEED® XL Distribution Hardware

The PATCHMAX GS3 panel system helps unleash the power of an integrated GigaSPEED XL copper and fiberoptic LazrSPEED/ TeraSPEED/OptiSPEED cabling solution while maintaining all of the innovative features that have made PATCHMAX unique in the industry. Its unique modularity and patch cord management system continue to provide unmatched flexibility to MIS managers with the ability to mix and match copper and fiber media in the same panel.

The 19-inch rack mountable patch panel is designed to accept 4 or 8 six-port Distribution Modules (DM) which can be rotated forward, allowing front access to the 110 type IDC terminals for easy cable termination. Built-in horizontal patch cord management brackets provide support for patch cords as well as a holder for the DM modules during installation.

This modular approach gives the customer total flexibility in selecting the required copper and fiber adapters. In addition it provides for fiber and GigaSPEED XL copper solutions, since both fiber and GigaSPEED XL modules can fit into the same panel kit. This feature also supports existing GigaSPEED XL customers, by giving them the option of a cost effective upgrade from copper to fiber solutions, by simply replacing the copper modules with the fiber modules in conjunction with the cable changes.



GigaSPEED
XL

Physical Specifications:

Height: 4 Module Panel: 3.53 in (8.9 cm)
8 Module Panel: 5.29 in (13.34 cm)

Width: 4 Module Panel: 19 in (48.3 cm)
8 Module Panel: 19 in (48.3 cm)

Depth: 4 Module Panel: 8.13 in (20.5 cm)
8 Module Panel: 8.13 in (20.5 cm)

Plastic Material: High-impact, flame retardant, thermoplastic

Flammability Rating: UL-rated 94 V-0

Operating Temperature: 14°F to 140°F (-10°C to 60°C)

Storage Temperature: -40°F to 158°F (-40°C to 70°C)

Humidity: 95% (non-condensing)

Contact Material & Plating: Copper alloy, 100 micro-inch (2.54 microns) bright solder over 100 micro-inch (2.54 microns) nickel under plate. Insulation displacement connectors accept solid or stranded wire

Nominal Solid Conductor Diameter: 0.016 in to 0.025 in
(0.40 mm to 0.64 mm) (26 to 22 AWG)

Nominal Stranded Conductor Diameter: 0.020 in to 0.025 in
(0.51 mm to 0.64 mm) (24 to 22 AWG)

Insulation Size: 0.030 in to 0.046 in, (0.76 mm to 1.17mm)

Insulation Types: All plastic insulates, including: PVC, irradiated PVC, Polyethylene, Polypropylene, PTFE, Polyurethane, Nylon and FEP

Outlet Wires: Copper alloy, 50 micro-inch (1.27 microns) hard gold plating over 100 micro-inch (2.54 microns) nickel underplate

Plug Retention Force: 30 lbs (133 N) minimum between modular plug and jack

Plug Insertion Life: 750 minimum insertions of an 8-position IEC 60603-7 compliant plug

Plug/Jack Contact Force: 100 grams minimum per contact using FCC approved plug

Electrical Specifications:

Insulation Resistance: 500 megaohms minimum

Current Rating: 1.5 A at 68°F (20°C)

TIA/EIA Category: 6

Dielectric Withstand Voltage: 1,000 VAC RMS, 60 Hz minimum, contact-to-contact and 1,500 VAC RMS, 60 Hz minimum to exposed conductive surface

UL and cUL Listed

PATCHMAX GS3 Panels

Product Number	Detailed Description	Modules/Ports	Material ID
PM-GS3-24	PATCHMAX GS3 Copper Patch Panel - 24-Port	4 Modules	700173735
PM-GS3-48	PATCHMAX GS3 Copper Patch Panel - 48-Port	8 Modules	700173743
PM-GS3-2U	PATCHMAX GS3-2U Panel Kit (Modules not Included)	4 Modules	760001669
PM-GS3-3U	PATCHMAX GS3-3U Panel Kit (Modules not Included)	8 Modules	760001677

PATCHMAX GS3 Modules

Product Number	Detailed Description	Modules/Ports	Material ID
PM-DM-GS3-RJ45	PATCHMAX GS3 Copper Module	6 RJ45	700173776
PM-DM-GS3-LS-SC/SC	PATCHMAX GS3 LazrSPEED SC Module	6 SC	760001685
PM-DM-GS3-LS-ST/ST	PATCHMAX GS3 LazrSPEED ST Module	6 ST	760001693
PM-DM-GS3-LS-LC/LC	PATCHMAX GS3 LazrSPEED LC Module	12 LC	760001701
PM-DM-GS3-MM-SC/SC	PATCHMAX GS3 OptiSPEED SC Module	6 SC	760001719
PM-DM-GS3-MM-ST/ST	PATCHMAX GS3 OptiSPEED ST Module	6 ST	760001727
PM-DM-GS3-MM-LC/LC	PATCHMAX GS3 OptiSPEED LC Module	12 LC	760001735
PM-DM-GS3-SM-SC/SC	PATCHMAX GS3 TeraSPEED SC Module	6 SC	760001743
PM-DM-GS3-SM-ST/ST	PATCHMAX GS3 TeraSPEED ST Module	6 ST	760001750
PM-DM-GS3-SM-LC/LC	PATCHMAX GS3 TeraSPEED LC Module	12 LC	760001768

