

SYSTIMAX®

SOLUTIONS

SYSTIMAX® MGS400 GigaSPEED® XL Information Outlet

Designed by SYSTIMAX® Labs to provide reliable high-performance connectivity

The SYSTIMAX® MGS400 Information Outlet is a high-speed LAN connector featuring patented cross-talk cancellation techniques for superior near-end cross-talk (NEXT & PSNEXT) performance, when installed as part of a complete GigaSPEED XL channel. SYSTIMAX Labs was a pioneer in the development of the industry's first Category 5 outlet in the early 1990s, the first Category 5e outlet in 1996, and the first modular outlet certified to support Category 6 applications with the introduction of the GigaSPEED MGS200, MGS300 and today the MGS400.

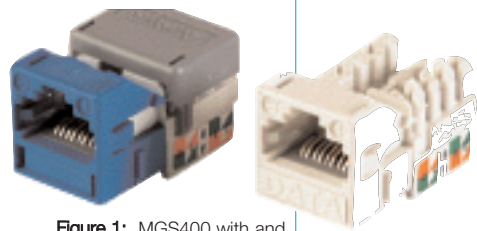


Figure 1: MGS400 with and without dust cover

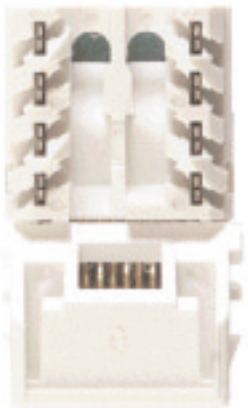


Figure 2: MGS400 unique wire management and termination field

Features and Benefits

- Electrical performance guaranteed to meet or exceed TIA/EIA 568-B.2-1 Category 6 and ISO/IEC Category 6/Class E specifications.
- Snaps into standard SYSTIMAX M-Series faceplates, surface-mount boxes, consolidation point boxes, M1000 or FlexiMax panels. Can also be mounted either at 90 degrees (straight) or 45 degrees (angled) in any SYSTIMAX faceplate.
- Universal design and label supports both T568 A & B wiring.
- Available in 10 different colors. Individually packaged with instructions.
- 110 type IDC connector terminations on rear of base allow quick and easy installation of 22 to 24 AWG cable.
- Optional Plastic Icons (M61A) & Dust Covers (M20A) available in several colors.
- M61A Icons come in sets of 3 (computer symbol, "DATA", and "GS" label).
- Backward compatible with Category 5e, 5 and 3 cords and cables, however optimal performance achieved when used with GigaSPEED XL GS8E patch cords.
- UL listed, UL-C certified and ACA approved.
- Can support network line speeds in excess of 1 gigabit per second.
- Certified component of an integrated GigaSPEED XL Solution.
- Qualifies for a 20-year product and applications assurance warranty when included as part of a certified SYSTIMAX GigaSPEED XL channel.

SYSTIMAX® Structured Connectivity Solutions

Performance Specifications

	MGS400 Outlet	XL7 Solution	XL8 Solution
	Typical Worst Pair Margin*	GigaSPEED Channel (4 Connectors)	
		Guaranteed Margin**	Guaranteed Margin**
Insertion Loss	26.9%	5.0%	7.5%
NEXT	5.4 dB	6.0 dB	7.0 dB
PSNEXT	4.7 dB	7.5 dB	8.5 dB
ELFEXT	10.5 dB	6.0 dB	8.0 dB
PSELFEXT	10.8 dB	8.0 dB	10.0 dB
Return Loss	8.0 dB	4.0 dB	4.0 dB
Frequency Range	1-250 MHz	1-250 MHz	1-250 MHz

* Typical worst pair swept margin when measured with a GS8E modular patch cord.

**Guaranteed margin is valid at any frequency from 1-250 MHz for a SYSTIMAX certified channel comprising GigaSPEED XL apparatus and 71E series cable (GigaSPEED XL7 Solution) or 81A series cable (GigaSPEED XL8 Solution). Values represent margin over the draft Category 6/Class E channel specifications.

Specifications

Dimensions	(Width x Height x Depth)
MGS400:	0.8 x 0.8 x 1.2 in (2.0 x 2.0 x 3.1 cm) - Universal A/B labeling
Operating Temperature Range:	14°F to 140°F (-10°C to 60°C)
Storage Temperature Range:	-40°F to 158°F (-40°C to 70°C)
Humidity:	95% (noncondensing)
Nominal Solid Conductor Diameter:	0.025 to 0.020 in (22 to 24 AWG)
Nominal Stranded Conductor Diameter:	0.64 to 0.51mm (22 to 24 AWG)
Insulation Size:	0.042 in (22 to 24 AWG) Maximum DOD
Insulation Types:	All plastic insulates (including PVC, irradiated PVC, Polyethylene, Polypropylene, PTF Polyurethane, Nylon, and FEP).
Insertion Life:	750 minimum insertions of an FCC 8-Position Telecommunications Plug
Plastic:	High-impact, flame retardant, UL-rated 94V-0 thermoplastic

Ordering Information

Info. Outlets	Color	Package	Material ID
MGS400-003	Black	1/Pkg	700 206 667
MGS400-112	Orange	1/Pkg	700 206 683
MGS400-123	Yellow	1/Pkg	700 206 691
MGS400-226	Green	1/Pkg	700 206 709
MGS400-246	Ivory	1/Pkg	700 206 717
MGS400-262	White	1/Pkg	700 206 725
MGS400-270	Gray	1/Pkg	700 206 733
MGS400-317	Red	1/Pkg	700 206 741
MGS400-318	Blue	1/Pkg	700 206 758
MGS400-361	Violet	1/Pkg	700 206 675

Icons and Dust Covers	Color	Package	Material ID
M61A-003	Black	500/Pkg	108 065 657
M61A-112	Orange	500/Pkg	108 065 673
M61A-123	Yellow	500/Pkg	108 065 707
M61A-226	Green	500/Pkg	108 065 731
M61A-246	Ivory	500/Pkg	108 065 756
M61A-262	White	500/Pkg	108 065 780
M61A-270	Gray	500/Pkg	108 065 806
M61A-317	Red	500/Pkg	108 065 814
M61A-318	Blue	500/Pkg	108 065 822
M20AP-003 Dust Cover	Black	500/Pkg	107 065 583
M20AP-246 Dust Cover	Ivory	500/Pkg	107 067 860
M20AP-262 Dust Cover	White	500/Pkg	107 067 928

Accessories	Material ID
Flat Wire Insertion Cap, White, 100/Pkg	108 180 894
D-Impact Tool, 914 Handle, w/110 Blade	406 477 794

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