

ExTell AxiomGlide LG Series Rack-Mount Fiber Distribution Frame

Sliding Rail | LG-Class Adapter Platform | MAGNA Splice Management

Product Overview

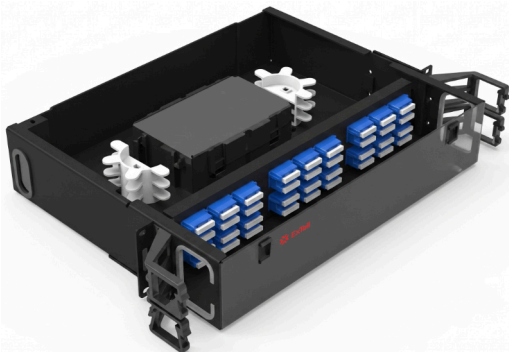
The ExTell AxiomGlide Series is a premium range of rack-mount Fiber Distribution Frames (FDF) engineered for high-density splice and patch management in data centers and telecommunications environments. Featuring a precision Sliding-Rail Mechanism, the series provides technicians with unobstructed, full-extension access to internal components—including splice trays and adapter panels—enabling seamless maintenance without removing the chassis from the rack.

Built upon the internationally recognized LGX adapter plate standard, the AxiomGlide LG-Class Series offers the most versatile multi-connector ecosystem compatibility in its class. The system integrates the OPTIGUIDE-R kit for strict bend-radius protection on all internal routes. Utilizing a unified 1U and 2U footprint, the series scales effortlessly from 72F to 144F peak fiber density on LC Duplex or 36F to 72F on SC Duplex / Simplex, making it the ideal choice where rack-space efficiency and long-term port scalability must coexist.

Product Image



EAG1R1-03LG03MA-U-BK



EAG1R2-06LG06MA-U-BK

Product Highlights

- **Unified Ecosystem** : EAG1R1-03LG and EAG1R2-06LG share identical adapter plate and splice tray families
- **Sliding Rail drawer mechanism with Full-extension access** : Splice trays and adapter plates reachable in-rack without chassis removal
- **Triple-section stainless steel slide rail** : Smooth, load-bearing operation under full cable management
- **LG-Class (LGX) adapter plate standard** : US-origin footprint; widest connector ecosystem support (LC, SC, FC, ST)
- **MAGNA Splice Tray Management System** : Low-profile, 24F capacity per slot
- **OPTIGUIDE-R internal cable management kit** : Integrated within the chassis
- **Modular Adapter plate Architecture** : Field-swappable — Nine Plate variants available for Various Chassis Configuration
- **Transparent front panel on EAG1R2-06LG** : Visual port status monitoring without extension
- **SPCC cold-rolled steel chassis** : Powder-coated black; 19" EIA-310 rack compatible
- **Supplied unloaded as standard** : Adapter Plates, Splice Trays, Adapters & Pigtails should specified and ordered independently per project requirement

Technical Specifications

Identification

Parameter	EAG1R1-03LG03MA-U-BK · 1U Model	EAG1R2-06LG06MA-U-BK · 2U Model
	Specification	
Part Number	EAG1R1-03LG03MA-U-BK	EAG1R2-06LG06MA-U-BK
Series	AxiomGlide Series	AxiomGlide Series
Product Family	RM Sliding Fiber Patch Panel	RM Sliding Fiber Patch Panel



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Physical

Parameter	EAG1R1-03LG03MA-U-BK (1U Model)	EAG1R2-06LG06MA-U-BK (2U Model)
	Specification	
Rack Unit Height	1U (44.45 mm)	2U (88.90 mm)
Chassis Dimension (WxDxH)	428.6x367x44.4mm	428.6x367x88.2mm
Rack Compatibility	19" EIA-310 / IEC 60297	19" EIA-310 / IEC 60297
Chassis Material	SPCC Cold-Rolled Steel (1.2mm)	SPCC Cold-Rolled Steel (1.2mm)
Surface Finish	Powder-Coated Black	Powder-Coated Black
Front Panel	Standard Steel	Transparent (Clear Cover)
Cable Entry	Rear & Side	Rear & Side
Colour	RAL9005 BLACK/ RAL7035 GREY	RAL9005 BLACK/ RAL7035 GREY

Mechanical

Parameter	EAG1R1-03LG03MA-U-BK (1U Model)	EAG1R2-06LG06MA-U-BK (2U Model)
	Specification	
Mechanism Type	Sliding Rail	Sliding Rail
Slide Rail Type	Triple-Section Stainless Steel	Triple-Section Stainless Steel
Drawer Extension	Full-Extension	Full-Extension
Internal Cable Management	OPTIGUIDE-R Kit (Integrated)	OPTIGUIDE-R Kit (Integrated)

Fiber Configuration

Parameter	EAG1R1-03LG03MA-U-BK (1U Model)	EAG1R2-06LG06MA-U-BK (2U Model)
	Specification	
Adapter Plate Class	LG-Class (LGX Footprint)	LG-Class (LGX Footprint)
Adapter Plate Slots	3	6
Splice Tray Slots	3	6
Capacity per Tray Slot	24 Fibers	24 Fibers
Total Splice Capacity	72 Fibers (3 × 24F)	144 Fibers (6 × 24F)
Max Density — Duplex LC	72 F	144 F
Max Density — Quad LC	72 F	144 F
Max Density — SC Simplex	36 F	72 F
Max Ports — FC / ST	36 Ports	72 Ports
Compatible Adapter Plate	LG-Class (9 variants)	LG-Class (9 variants)
Compatible Splice Tray	MAGNA (EST1-MA-24F)	MAGNA (EST1-MA-24F)
Supply Condition	Unloaded — Chassis Only	Unloaded — Chassis Only



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Environmental

Parameter	EAG1R1-03LG03MA-U-BK (1U Model)	EAG1R2-06LG06MA-U-BK (2U Model)
	Specification	
Operating Temperature	-10°C to +60°C	-10°C to +60°C
Storage Temperature	-45°C to +65°C	-45°C to +65°C
Operating Humidity	5% – 95% RH (Non-Condensing)	5% – 95% RH (Non-Condensing)
Installation Environment	Indoor — Controlled Environment	Indoor — Controlled Environment

Patch Panel Compatibility Matrix

All adapter plates and splice trays listed below are compatible with AxiomGlidex Series LG - Class chassis. Sub-systems should be ordered independently. Adapter plates, splice trays, Adaptors & Pigtails are not included with the chassis as standard.

LG-Class Adapter Plates (EAP1-LG Series)

Part Number	Product Description	Port Count / AP	Fiber Density / AP
EAP1-LG-12P-D04S02	LG-Class Adaptor Plate Supports Duplex LC / Simplex SC Adaptors	12 Ports	24F LC / 12F SC
EAP1-LG-03P-D04S02	LG-Class Adaptor Plate Supports Duplex LC / Simplex SC Adaptors	3 Ports	6F LC / 3F SC
EAP1-LG-06P-D04S02	LG-Class Adaptor Plate Supports Duplex LC / Simplex SC Adaptors	6 ports	12F LC / 6F SC
EAP1-LG-06P-Q04D02	LG-Class Adaptor Plate Supports Quad LC / Duplex SC Adaptors	6 Ports	24F LC / 12F SC
EAP1-LG-06P-S03	LG-Class Adaptor Plate Supports Simplex FC Adaptors	6 Ports	FC
EAP1-LG-06P-S01	LG-Class Adaptor Plate Supports Simplex ST Adaptors	6 Ports	ST
EAP1-LG-12P-S03	LG-Class Adaptor Plate Supports Simplex FC Adaptors	12 Ports	FC
EAP1-LG-12P-S01	LG-Class Adaptor Plate Supports Simplex ST Adaptors	12 Ports	ST
EAP1-LG-Blank	LG-Class Blank Adaptor Plate Slot Seal / Reserved for Future Expansion	—	—

Splice Tray (ESTI-MA Series)

Part Number	Fiber Density	Dimensions (mm)	Splice Tray 1U (Max)	Splice Tray 2U (Max)
ESTI-MA-24F	24 Fibers Capacity	171 × 117 × 8.5	3	6



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Port / Fiber Density Configuration Matrix

The Fiber Density values listed represent the maximum capacity achievable when all chassis adapter slots are fully populated with a uniform LG-Class plate type. While the series maintains full support for mixed LG - Class configurations, the final density is determined by the specific slot allocation and total Splice Tray Capacity. All capacity data is strictly verified against the ExTell Configuration Matrix to ensure infrastructure accuracy.

Adapter Plate P/N	Connector Type Supported	EAGIR1-03LG03MA-U-BK (1U 3 Slots)				EAGIR2-06LG06MA-U-BK (2U 6 Slots)			
		Ports	Max LC	Max SC	FC/ST Port	Ports	Max LC	Max SC	FC/ST Port
EAP1-LG-12P-D04S02	Duplex LC / Simplex SC	36	72 F	36 F	—	72	144 F	72 F	—
EAP1-LG-03P-D04S02	Duplex LC / Simplex SC	9	18 F	9 F	—	18	36 F	18 F	—
EAP1-LG-06P-D04S02	Duplex LC / Simplex SC	18	36 F	18 F	—	36	72 F	36 F	—
EAP1-LG-06P-Q04D02	Quad LC / Duplex SC	18	72 F	36 F	—	36	144 F	72 F	—
EAP1-LG-06P-S03	Simplex FC	18	—	—	18	36	—	—	36
EAP1-LG-06P-S01	Simplex ST	18	—	—	18	36	—	—	36
EAP1-LG-12P-S03	Simplex FC	36	—	—	36	72	—	—	72
EAP1-LG-12P-S01	Simplex ST	36	—	—	36	72	—	—	72
EAP1-LG-Blank	Blank / Reserved	—	—	—	—	—	—	—	—

Standards & Compliance

Standard Reference	Description
TIA-568.3-D	Optical Fiber Cabling Components Standard — Specifies performance requirements for fiber optic cabling components in commercial buildings
ISO/IEC 11801:2017	Generic Cabling for Customer Premises — International standard for structured cabling in enterprise and data centre environments
EN 50173-1:2018	Information Technology — Generic Cabling Systems — European harmonised structured cabling standard
IEC 61754-20	Fibre Optic Connector Interfaces — LC Series Connectors — Performance requirements for LC type connectors
IEC 61754-4	Fibre Optic Connector Interfaces — SC Series Connectors — Performance requirements for SC type connectors
IEC 61754-13	Fibre Optic Connector Interfaces — FC Series Connectors
IEC 61300-3-35	Fibre Optic Interconnecting Devices — Return Loss / Insertion Loss — Test procedures for passive fibre optic components
EIA-310-D	19-Inch Equipment Rack Standard — Defines rack unit dimensions, mounting hole patterns, and panel width for 19" equipment racks
IEC 60297-3-100	Mechanical Structures for Electronic Equipment — Rack and Cabinet dimensions, 19" IEC format
IEC 60068-2	Environmental Testing — Thermal cycling, humidity, and mechanical shock/vibration test methods for electronic enclosures
RoHS 2011/65/EU	Restriction of Hazardous Substances Directive — Restricts use of specific hazardous materials in electrical and electronic equipment
IEC 60529 (IP)	Degrees of Protection — Ingress Protection ratings for enclosures. chassis rated for indoor controlled environments



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Product Ordering Guide

All sub-systems are ordered as independent modules to allow for custom infrastructure tailoring. A complete Fiber Distribution Frame (FDF) deployment requires the selection of a chassis (EAX1 series), the required quantity of adapter plates (EAP1-xx series) per slot, and the corresponding splice trays (EST1-xx series) per tray position, along with the necessary adapters and pigtails.

Please ensure that component quantities are specified per slot and position according to the individual project design requirements.

AxiomGlidex Chassis - EAG1xx-xxLG Series

Part Number	Product Description
EAG1R1-03LG03MA-U-BK	ExTell AxiomGlidex Series 1U 3 × LG-Class Slots Sliding Rail Rack-Mount Fiber Distribution Frame OPTIGUIDE-R Kit Integrated 3 Slots × MAGNA Splice Management Compatible Unloaded Black.
EAG1R2-06LG06MA-U-BK	ExTell AxiomGlidex Series 2U 6 × LG-Class Slots Sliding Rail Rack-Mount Fiber Distribution Frame OPTIGUIDE-R Kit Integrated 6 Slots × MAGNA Splice Management Compatible Unloaded Black.

LG-Class Adapter Plates - EAP1-LG-Class Series (Order 1 per Adapter Plate Slot)

Part Number	Product Description
EAP1-LG-12P-D04S02	ExTell LG-Class Adaptor Plate 12 Ports Supports Duplex LC / Simplex SC Adaptors.
EAP1-LG-03P-D04S02	ExTell LG-Class Adaptor Plate 03 Ports Supports Duplex LC / Simplex SC Adaptors.
EAP1-LG-06P-D04S02	ExTell LG-Class Adaptor Plate 06 Ports Supports Duplex LC / Simplex SC Adaptors.
EAP1-LG-06P-Q04D02	ExTell LG-Class Adaptor Plate 06 Ports Supports Quad LC / Duplex SC Adaptors.
EAP1-LG-06P-S03	ExTell LG-Class Adaptor Plate 06 Ports Supports Simplex FC Adaptors.
EAP1-LG-06P-S01	ExTell LG-Class Adaptor Plate 06 Ports Supports Simplex ST Adaptors.
EAP1-LG-12P-S03	ExTell LG-Class Adaptor Plate 12 Ports Supports Simplex FC Adaptors.
EAP1-LG-12P-S01	ExTell LG-Class Adaptor Plate 12 Ports Supports Simplex ST Adaptors.
EAP1-LG-Blank	ExTell LG-Class Blank Adaptor Plate Slot Seal / Reserved for Future Expansion.

MAGNA Splice Tray - EST Series (Order 1 per Tray Slot)

Part Number	Product Description
EST1-MA-24F	ExTell MAGNA Management Splice Tray 24F Capacity Unloaded with Pigtails .

