

# GATORLINK



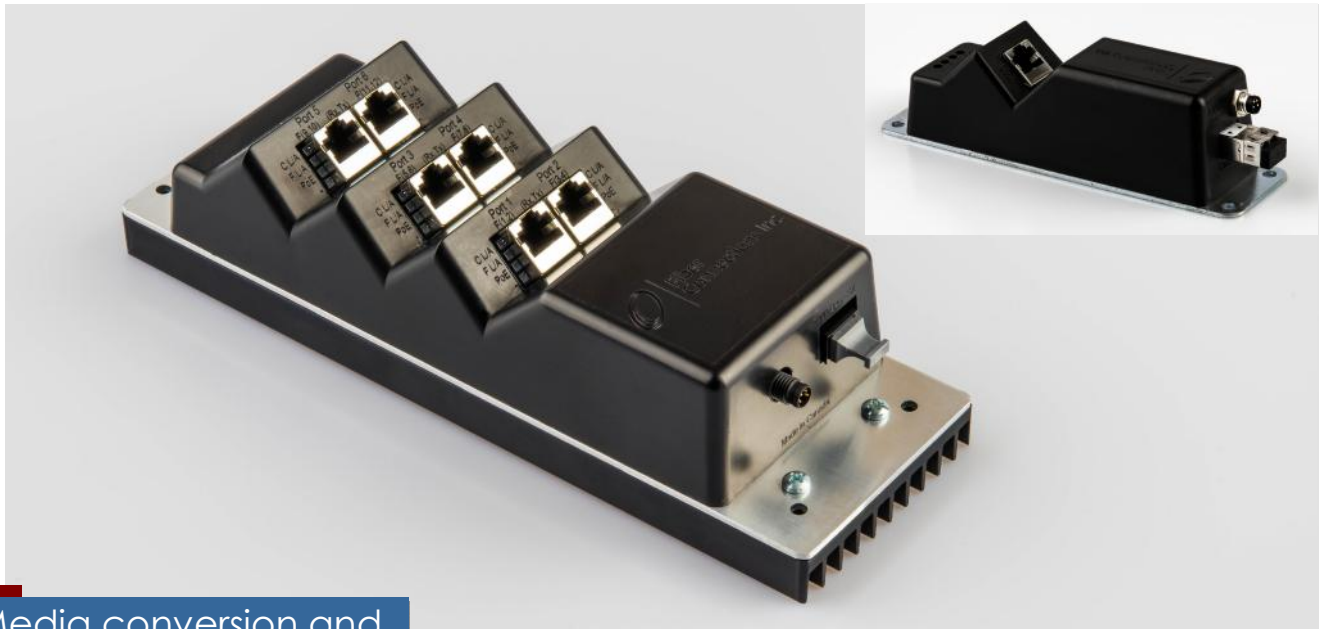
The ultimate media  
conversion and PoE  
extension terminal



**Fiber  
Connections Inc.**  
*Innovate | Design | Deliver*

# GATORLINK

## PoE EXTENSION & MEDIA CONVERSION DONE RIGHT!



Media conversion and PoE extension has never been this easy

The GatorLink is a fiber/copper media converter and PoE injector in one unique package. It is designed to be used as a stand alone media converter and/or PoE injector within an optical network. It can also be used as a component of our [Power Patch Panel](#) and [Hybrid Cabling systems](#) in order to extend PoE up to 4750 meters from the head end of the system. GatorLinks can be configured to have almost any possible combination of port count, communication speed, fiber type and PoE output. All of this makes the GatorLink an ideal product for any media conversion and/or PoE extension project.

### KEY FEATURES

- 100base FX, LX and 1000base SX & LX fiber port options
- 10/100/1000base TX copper ports
- PoE (15w), PoE+ (30w) and PoE++ (60w) power sourcing equipment (PSE) capabilities
- familiar MTP or LC fiber connection ports
- models are available with 1, 2, 4 and 6 ports
- use as a stand alone device or with hybrid cabling from the head end of your system
- connection to your PoE device is made using standard category cables
- -40°C to +70°C operating temperature
- provides a high density PoE user terminal with separate links to the network switch for each port

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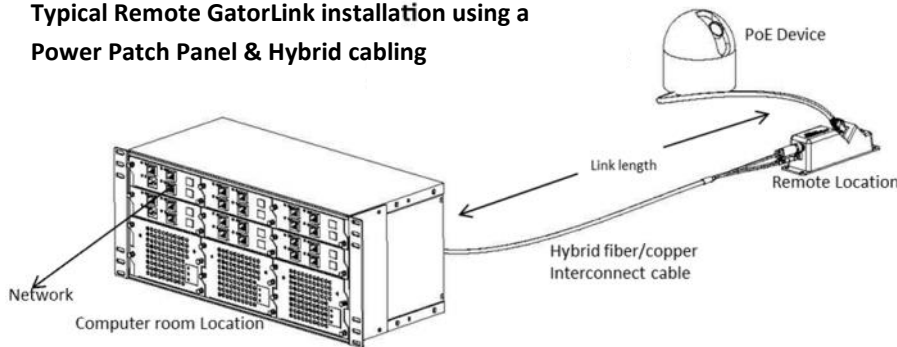


Remote GatorLinks draw their power from the head end of your system using a pre-terminated Hybrid (fiber/copper) cable. At the head end, this hybrid cable interconnects with either a Source GatorLink or Power Patch Panel where power is readily available. In either scenario you have the ability to centrally power and backup all of the PoE devices in your network. This system allows PoE to be delivered to any location where local power may not be available.

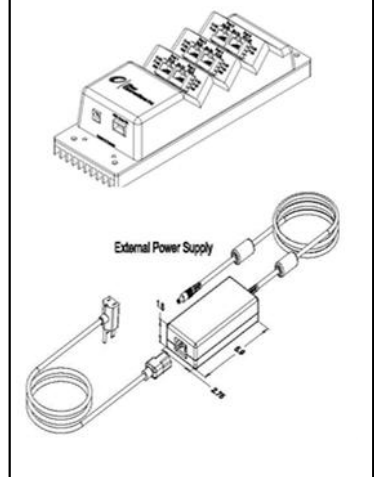
Stand Alone GatorLinks are supplied with a standard AC power cord. These devices can be placed anywhere that local power is accessible.



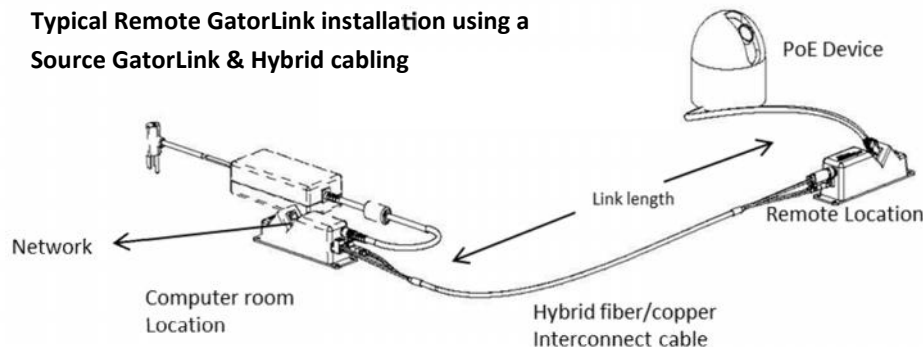
**Typical Remote GatorLink installation using a Power Patch Panel & Hybrid cabling**



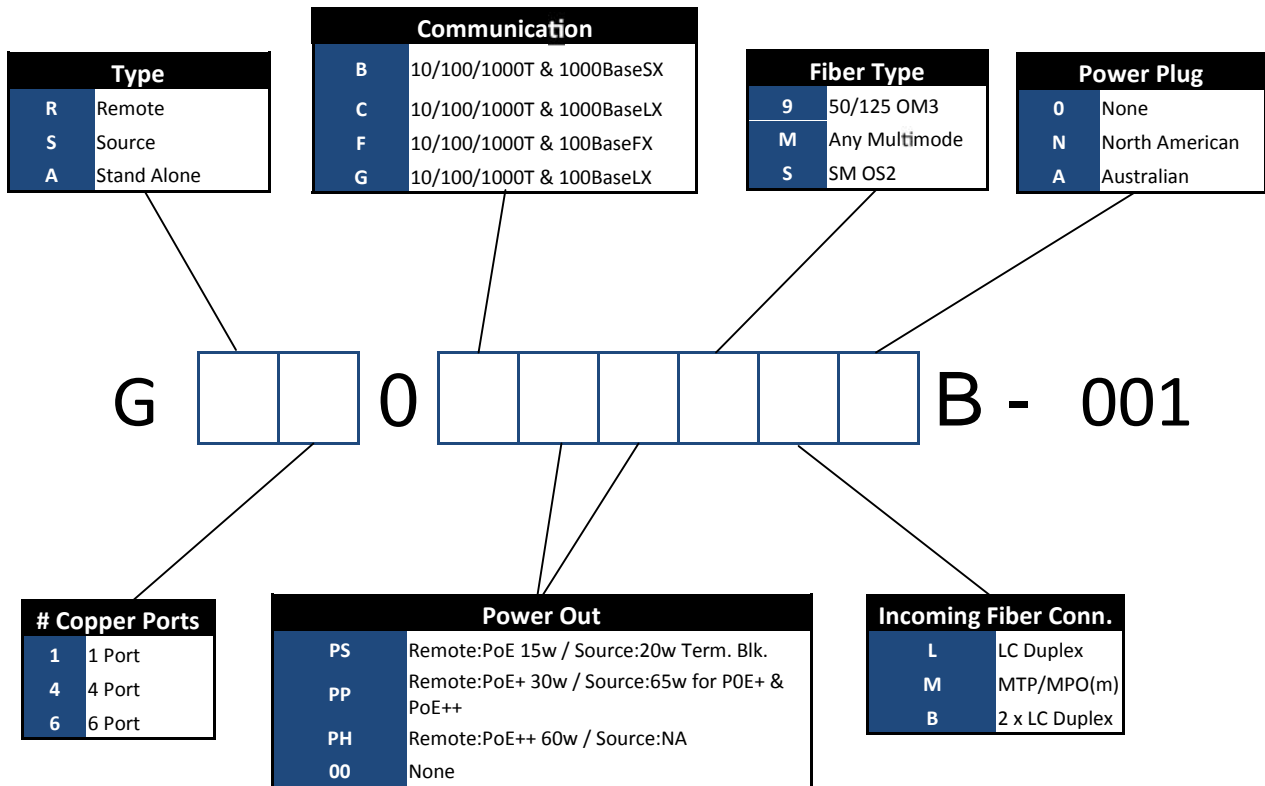
**Typical Stand Alone GatorLink with AC power cord**



**Typical Remote GatorLink installation using a Source GatorLink & Hybrid cabling**



## ORDERING INFORMATION AND TECHNICAL SPECIFICATIONS



### Example Part Numbers

Remote GatorLink,6 Port OM3,100BaseFX, Tri Spd PoE+ = **GR60FPP9M0B-001**

Stand Alone GatorLink,6 Port OM3,100BaseFX, Tri No PoE = **GA60F009M0B-001**

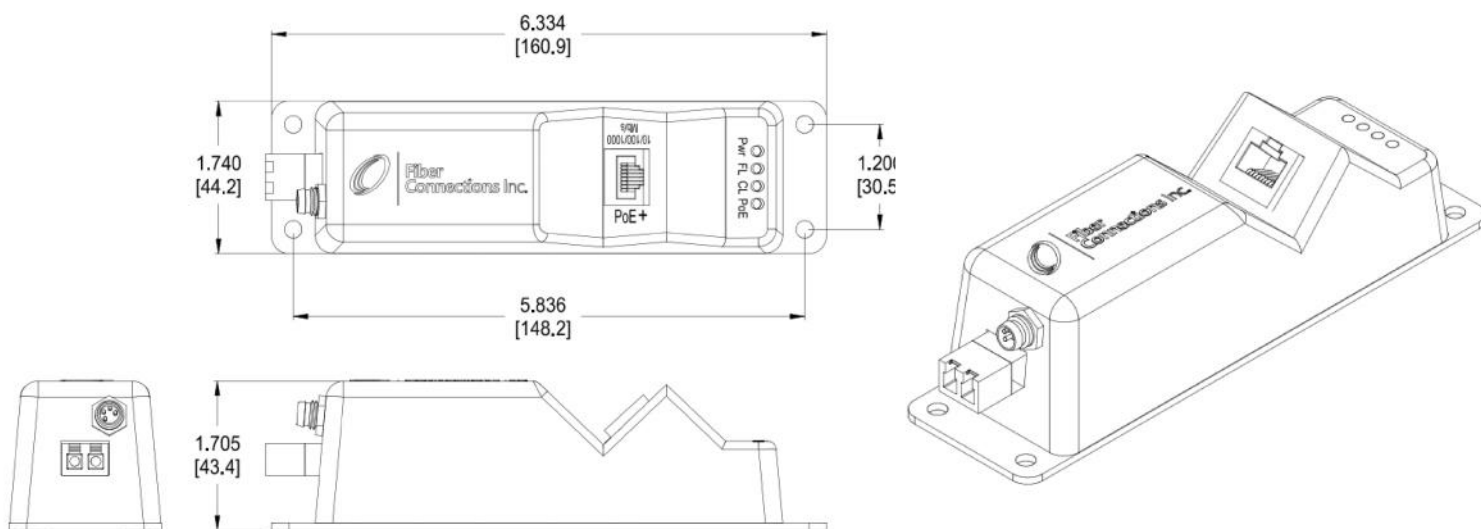
Source GatorLink,1 Port MM,100BaseFX, Tri PoE+/PoE++ = **GS10FPPML0B-001**

## ORDERING INFORMATION AND TECHNICAL SPECIFICATIONS

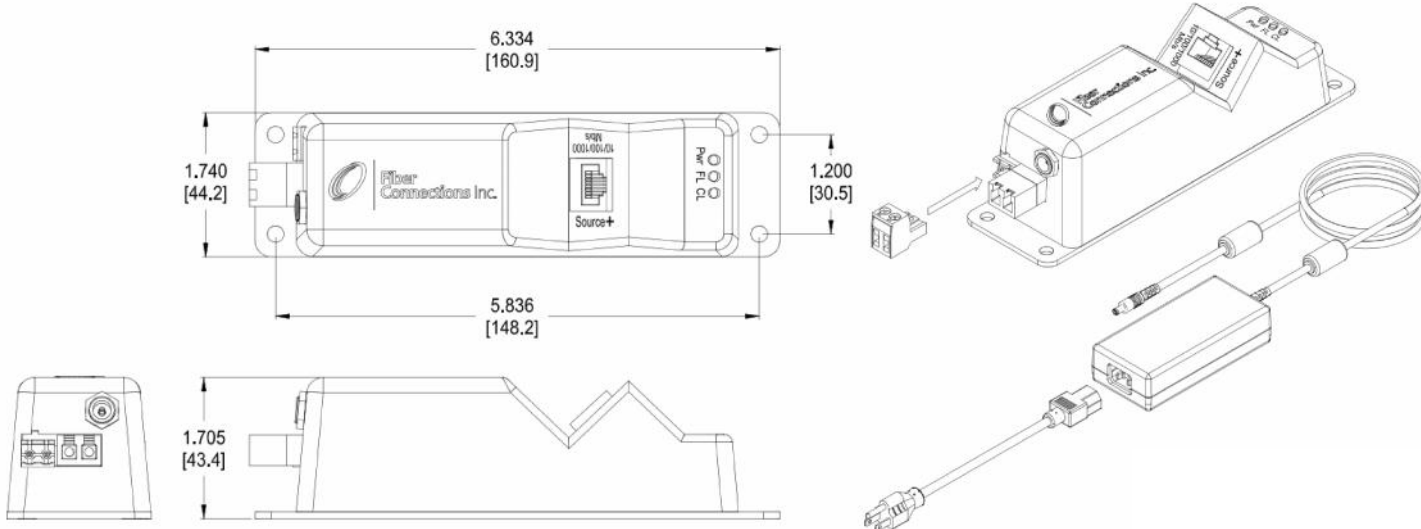
Standards	Ethernet IEEE Std. 802.3i/u/ab/z, Power Over Ethernet IEEE 802.3at	
Controls	Automatic Operation,	
Housing	ABS/Acrylic stepped shell mounted to a metal base plate in several size configurations, primary fiber and low voltage DC power enters the housing on the end face and copper ports are mounted on the step faces according to the specific GatorLink configuration. Wide Body GatorLink: 10.0 x 3.5 x 2.0 in. Mini GatorLink: 7.5 x 1.75 x 2.0 in. to 13.0 x 1.75 x 2.0 in. depending on configuration	
Power Source	56VDC required for remote units and an external AC Power Supply (PS) included on source and stand alone units. Power usage 2 watts per media converter channel plus 15, 30 or 60 watts per channel passed to POE devices according to PoE type.	
Channels	Up to 6 independent media conversion channels using up to 12 primary fibers in the Primary Fiber Optic Port	
Fiber Optic Ports	Primary Fiber Optic Port Interconnection	MTP Adapter or MTP Connectorized Cable Tail (8,12 Fiber) or LC duplex adapters (single port version)
	Fiber Type	Multimode (either OM1 62.5 & OM2 50/125um (single port units)), 50/125um OM3 or Single Mode
	Wavelength	MM 850nm (1G) or 1300nm (100m), SM 1310nm
	Fiber Tx/Rx Speed	100Mb/s or 1Gb/s
	Mode	Full Duplex
	Distance (fiber communications only)	100BaseFX, 1300nm, OM1, OM2, OM3,OM4 -2 km 100BaseLX, 1310nm, OS2 -10 km 1000Base SX, 850nm, OM1-220m, OM2, OM3 -550m, OM4 -1000m 1000BaseLX, 1310nm, OS2 -5km 1000BaseLX10, 1310nm, OS2 -10km
	Optical Loss Budget	MM: 10 to 15dB depending on configuration SM: 16 to 29dB depending on configuration
Copper Ports	Copper Port Interconnection	8P8C (often called RJ-45) Modular Socket connectors
	Copper Rx/Tx Speed	Auto negotiated 10/100/1000Mb/s
	Mode	Half duplex or full duplex auto negotiated
	Distance	100M (330 ft) cat 5/6
	POE	Safe start, PSE output upon PD negotiation, over current protection (802.3at), PoE (15w PSE on 2 pairs), PoE+ (30w PSE on 2 pairs), PoE++(60w on 4 pairs)
	RX/TX Cross-over	Auto MDI, MDix configuration
Indicators	Power On LED flash Fiber Link/Activity LED for each media conversion channel Copper Link/Activity LED for each media conversion channel POE Active LED for each injection channel	
Weight	Gator Link, External Power Supply and cord: 1.2 to 3.5 lb depending on configuration	
Temperature	Operating: -40C to +70C (remote units), -20 to +50C (source and stand alone units) Storage: -40 to 85 degrees C	
Environment	0 -90% non condensing humidity 0-10,000 ft altitude	
Compliance	Safety: ANSI/UL 60950-1(Power Supplies). Radiation: CFR FCC Part 15 Subpart B	

## SCHEMATICS

### 1 Port Remote GatorLink

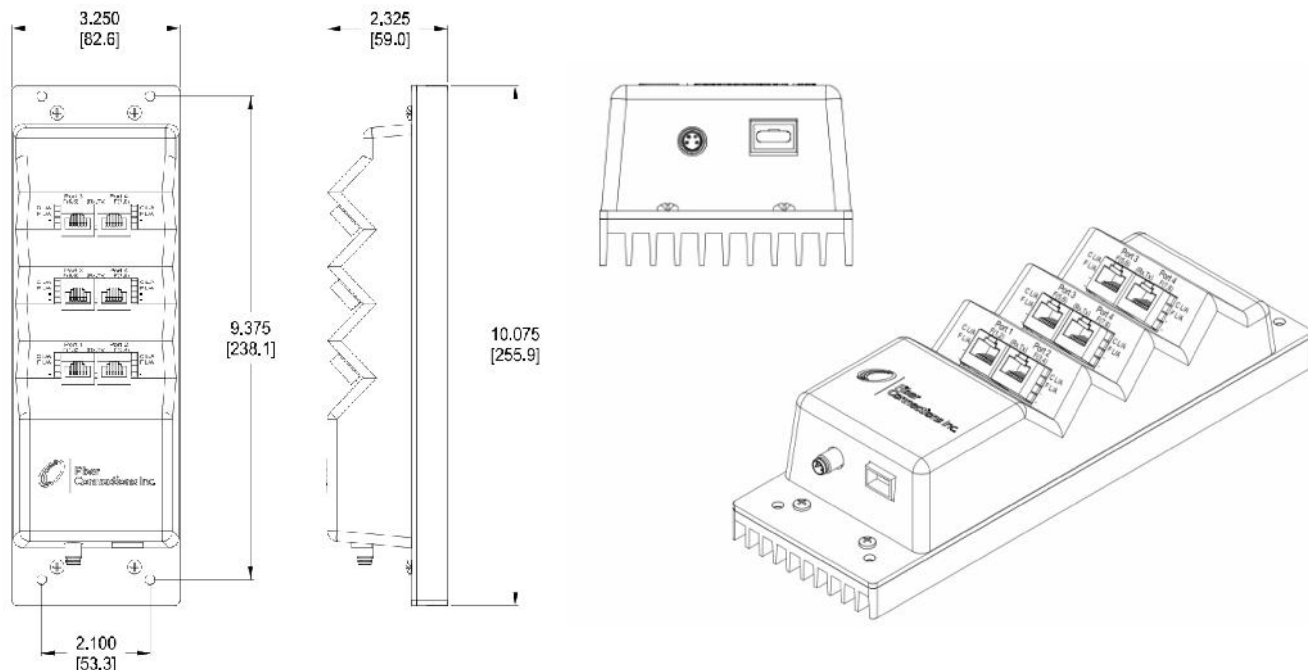


### 1 Port Source GatorLink



## SCHEMATICS

### 6 Port Remote GatorLink



### 6 Port Stand Alone GatorLink

