

Chameleon for Fiber to the Workstation



In today's high speed, high bandwidth work environment, the need for fiber optic networks continues to grow. Fiber offers the speed, flexibility and security that your organization needs - today and for the future.

Using small, modular components is an easy way to design and install a network. Modular designs allow you to install everything at one time or to plan with easy to budget phases.

Chameleon was designed by Engineers who understand that every network has different needs. Each component is highly configurable – allowing Fiber Connections to provide a solution that fits your needs exactly.

Power over Ethernet

No need to run power outlets to your remote camera locations. Locate PoE equipment more than 100 meters from your switch.

Power Patch Panel

Feed all your remote locations through a secured power source including back-up power in one location.

Secure Connections for:

- VoIP Phone
- Thin Client connections
- Network Printers
- Video Conferencing
- Wireless access points

In Fiber to the Desk/Workstation applications, the key is flexibility. The need to add, drop and change a network is part of the normal business cycle. The design of our slide in media modules at the equipment room end and the 'easy to install anywhere' GatorLink design, make those changes as easy as possible. Our ability to take power over Ethernet well beyond the current 100meter limitations eliminates the time and expense required to install power at new locations.

The security of fiber optics and the convenience of power over Ethernet, over extended distances, is a powerful combination.

Hybrid Interconnect Cables

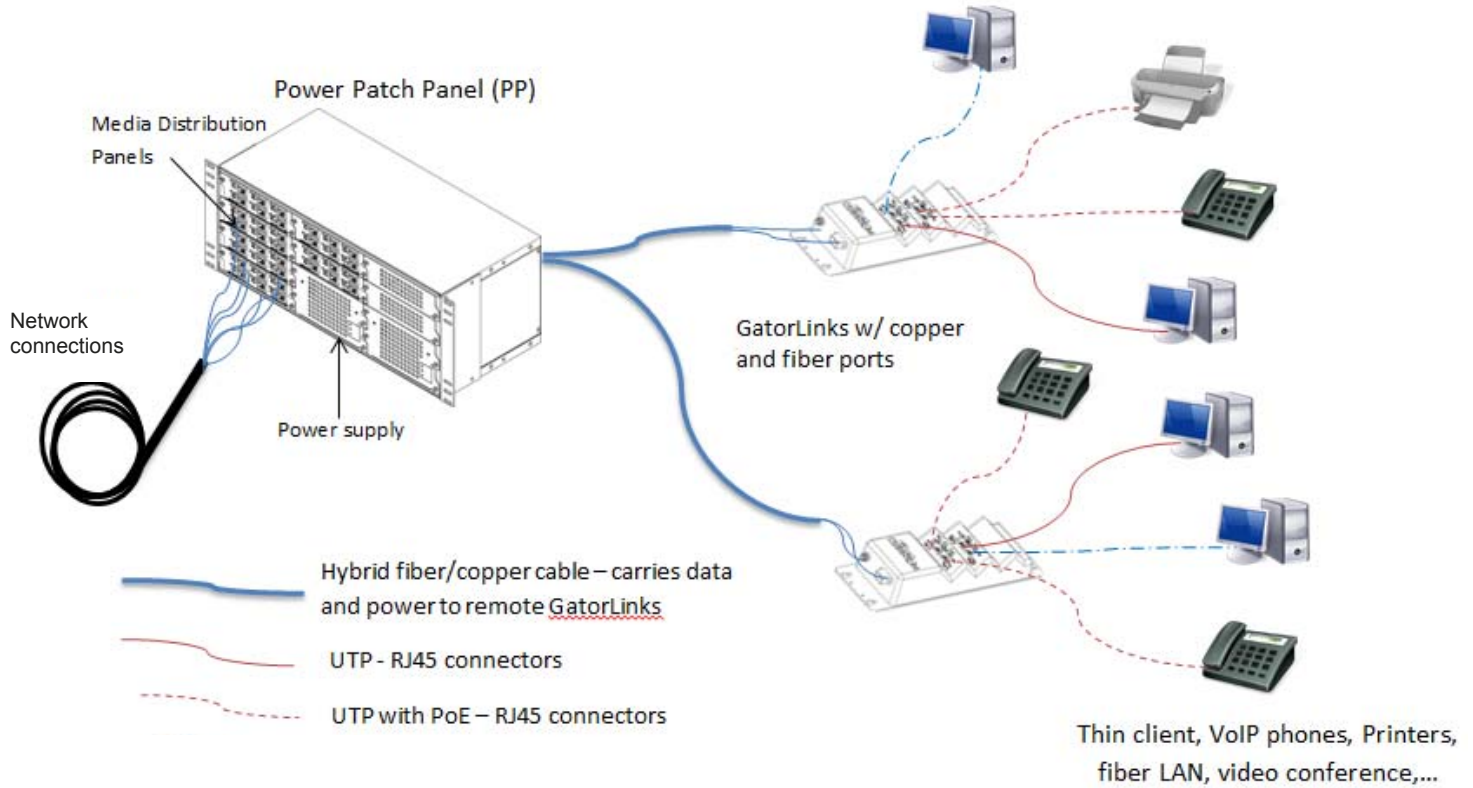
Bring fiber and power to your remote locations with 1 cable pull.

GatorLink

Remote media conversion in a compact, multi-port package.

Sample FTTD Network

In this network example, a portion of a potentially larger network is shown. 1 power patch panel can support 8-10, 4-port GatorLinks (depending on configurations). GatorLinks can be equipped 1 to 6 ports.



Sample Part Numbers – For Example only

	Description	Qty	Part Number
#1	4U Power Patch Panel	1	PP4UT00-001
#2	Power Supply Module	1 (option for 2)	PS1256400AN-001
#3	4-port Media Module	6	MM40F001M0B-001
#4	Blank Panels	1	FCP3922BP-1
#5	Hybrid cable, 8 fiber, 2 conductor	6	Varies
#6	GatorLink 4-port Media Converter		GR40FPSMM0B-001
#7	UTP cable to each camera		Customer choice
#8	PoE Device		Customer choice

Chameleon System Components

Options abound

Available with single mode or multimode fiber – 50um, 62.5um

Operate at 850nm or 1300nm for MM and 1300nm or 1550nm for SM

Fiber connector options include MTP, LC

Add a redundant power supply for extra protection

Support PoE to extended distances – over 1100 meters

Indoor and outdoor options

GatorLink – brings media conversion and PoE, with your choice of fiber and copper connections, to your peripheral equipment.

Power Patch Panel – Holds 12 slots of active modules and provides central media conversion and terminal block accessed power to the entire network.

Power Supply Module - slides into the panel to power the system.

Media Modules – slide into the panel to convert multiple copper ports to fiber.t

Hybrid cables – Fiber for data and copper for power – all in one easy to install package.



Technical Information

Standards: IEEE 802.3i/u/ab/z; PoE IEEE 802.3af; PoE+ IEEE 802.3at

Power Source: 95-240VAC External power supply; 1.5 watts/media converter channel and 0-16 watts/channel passed to PoE peripherals

Operating Temperature: Panel components- 0 to 50°C – remote GatorLinks: -40 to +50°C

Storage Temperature: -25 to +85°C; 0- 90% non-condensing humidity

Safety Compliance: ANSI/UL 60950-1; Radiation: CFR FCC Part 15 Subpart B

PoE: supports PoE (15w), PoE+(30w) and PoE++(60w -1 port units) PSE output, PD detection signature, over current protection, under current detection and mid level surge protection

Indicators: Power on LED; Fiber link/activity LED for each channel; Copper link/activity LED for each channel, PoE active