

Chameleon for Security Applications



You may be adding security cameras to your office building or constructing a new parking garage. Perhaps you are installing the security system in a distribution center or adding cameras to an airport security network. Whatever your application, our Chameleon system can provide the network components to reach your IP cameras and configure your equipment closet – using our unique line of optical and electrical components.

A typical security camera installation would start with a power patch panel in the equipment room. We supply pre-terminated, hybrid cables with both fiber and copper ready to connect. This cable design provides a simple, one pull solution to our multi-port GatorLink units, which can be located up to 1175 meters from the 'head end'.

Security applications include:

- parking garages
- college campus security
- data center security
- office buildings
- warehouse locations
- box store camera and APs
- airports and transit stations
- retail spaces

A UTP (CAT 5 or 6) cable connection from the GatorLink to the camera, up to 100 meters away, completes the connection.

This provides power and data for your entire system. If you need to reach further than 1175 meters or require multiple remote devices, a Zone Distribution Box can be added mid-span to provide fiber distribution and power injection.

With all the options available, an extended media conversion and PoE solution can easily be custom designed for your specific network needs.

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.

Hybrid Interconnect Cables

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

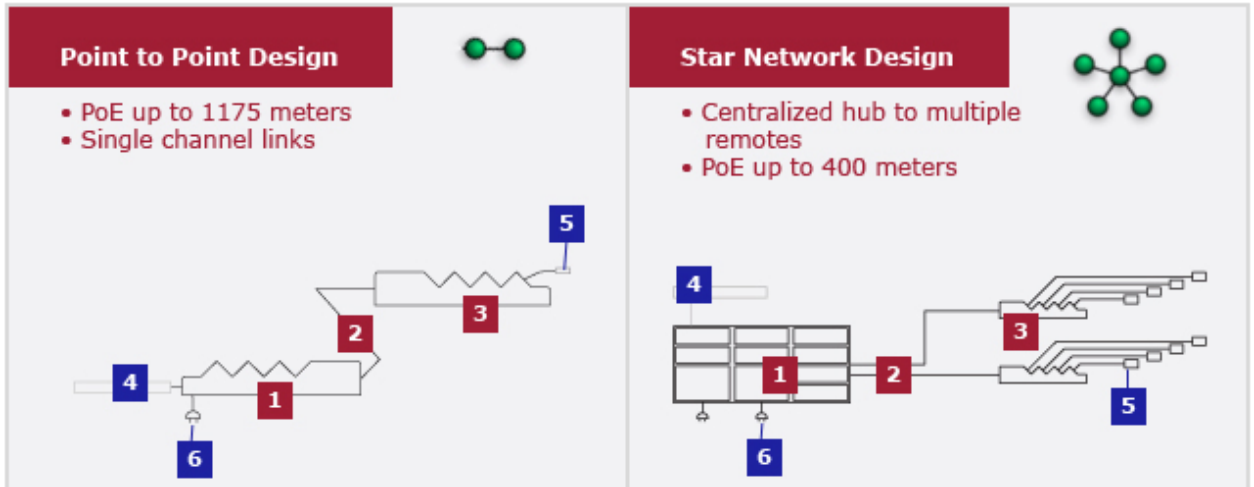
GatorLink

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



Sample Network

In this network example, we take security cameras to a multi-story parking garage - to be positioned in various locations on each floor. There are 8 cameras on the first floor and 6 on the 2nd and 3rd floor. The equipment room is in the security office near the monitoring station.



Configure your equipment...

| | 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 | IP security cameras (PoE) | | Customer choice |

Chameleon System Components



Power Patch Panel – Holds up to 288 fibers and provides central media conversion and power to the entire network. Available in 2U and 4U sizes, each accepting slide in Power Supply and Media modules



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

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



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

Copper Port: 10/100Mb/s half or full duplex, auto negotiated

Fiber Port: 100Mb/s or 1000Mb/s half or full duplex, MM or SM fiber

Operating Temperature: 0 to 50°C – extended version: -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: 44-56VDC in PoE (15W), PoE+(30w) and PoE++(60w) power outputs, PD detection for safety, over current protection.

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

ROHS Compliant

Options abound

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

Operate at 850nm or 1300nm for MM and 1310nm or 1550nm for SM

Fiber connector options include MTP, LC, SC, ST

Add a redundant power supply for extra protection

Support PoE and PoE+ to extended distances – over 1100 meters

Indoor and outdoor options