

Fiber To The Home

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### FTTH idea

Fiber to the home or PON is generally agreed upon as the future of home internet delivery. It allows the longest use of the plan put into the ground to support it and has basically no limit to the bandwidth that can be made available to the home. It is the closest to a future proof technology as there is in this space. When possible it is the company’s long term interest to deploy FTTH for these reasons.

### Terms and Definitions

FTTH – Fiber to the home

MX – Juniper brand MX series routers

EX – Juniper brand EX Series Switch

ACX – Juniper brand ACX series access router

G8032/Ring/Ethernet Ring – G8032 Ethernet Ring protocol enabled access ring.

Uplink – Aggregate link to a higher level (Closer to the network core) network device.

### Requirements

* Redundancy to the Calix E7 level
* Card redundancy on any LACP LAGs

### FTTH design

### Network Use

### Network Impacts

### Capacity Planning

### Management Network

### Content Network

### Security