



GPON (Gigabit Passive Optical Network)

The new enterprise cable infrastructure standard

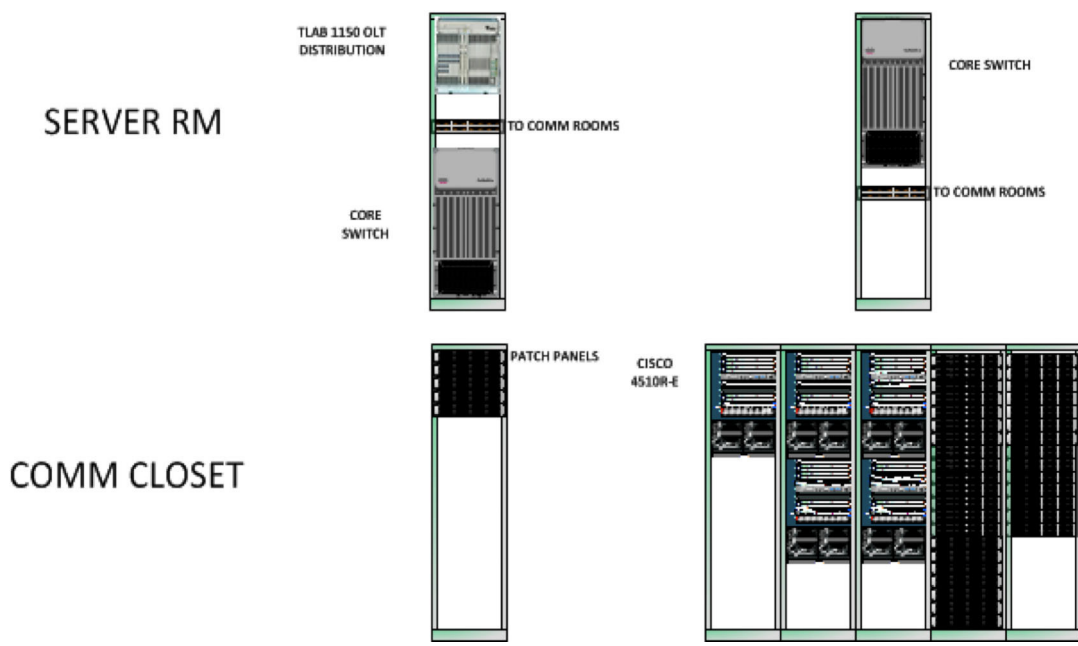
CONFIDENTIAL

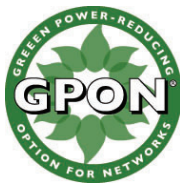
Why use category 5/6 cable when you can have a faster, more reliable, less costly transport solution for your voice, data, and video applications?

GPON at a Glance:

- Traditional legacy old school LAN infrastructures utilize category 5E/6 cable.
- GPON (Gigabit Passive Optical Network) introduces fiber optic cable throughout the LAN – speed, bandwidth, clarity, security.
- Category 5E/6 cables require 1 to 1 switch/patch panel ports, which, requires sizeable rack space, active telecom rooms, 5-7 year upgrades, and heavy usage of power and HVAC.
- GPON requires much less hardware, power, space, HVAC, and resources while enjoying long range distance options. Save 70% on power, space and CAPEX.
- When deploying LAN's, most IT leaders have conflicting requirements; 1.) Speed, security, and bandwidth must meet application needs, 2.) Network costs must remain low, and 3.) Future requirements must be planned for.
- Green technology is forcing companies to re-evaluate how they do business.
- Reduce Total Cost of Ownership with GPON technology.
- Fiber has been used mainly as an outside plant technology – until now.
- The US Government is now heavily involved in GPON implementations.

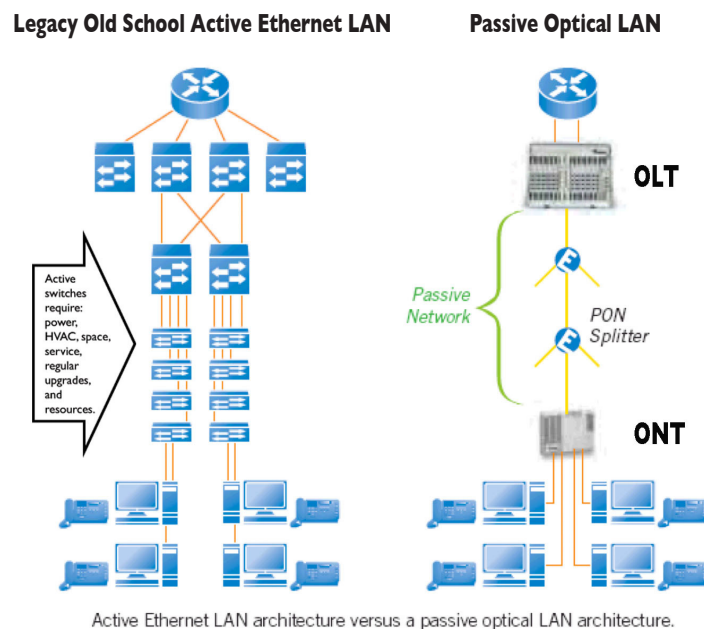
**Rack Elevation Comparison
PON vs. Active Ethernet for 1700 network ports**





GPON positively impacts executive focus areas:

- Projects that drive cash generation – GPON can add to application opportunities due to speed, bandwidth, clarity, and security benefits.
- New cost efficiencies – GPON has a far superior TCO over traditional Cat 5E/6 LAN's.
- Innovation for corporate growth. – GPON is a proven technology that will help CIO's bring new product and service innovations to technology-enabled markets.
- Long term sustainability - GPON significantly reduces power consumed in IT operations.



GPON - A True Enterprise Solution:

- An advanced optical LAN solution offers enterprises the ability to solve bandwidth issues and protect the integrity on their network. An Ethernet switched LAN can be changed seamlessly to an optical LAN, which, will allow enterprises to preserve the integrity of their LAN and provide network facilities to support all business projects.
- Enterprises can gain control of their IT CAPEX and OPEX, while improving LAN speeds, capacity, security and functionality.
- Green objectives can be achieved by deploying GPON technology and will support network needs for decades.

For Pricing and Sales Support Call:

Inside Sales: Maribel Mandujano: (714) 848-5796 Ext. 27

Channel Manager: Scot Cusack: (714) 848-5796 Ext. 31



CABLE MANUFACTURING BUSINESS

Developers of Armored Shield™ and Armored SPON™