



Community Cornerstones Choose Passive Optical LAN

- San Diego Central Public Library
- Kyle Field Football Stadium at Texas A&M University in College Station
- Aurora Public Library Illinois
- Oconee County South Carolina
- Dallas/Fort Worth International Airport
- Santa Fe Public Schools
- Montgomery County Maryland

Municipalities from California to Maryland gain the benefits of a future-proof fiber-based IT infrastructure

From loud public venue stadiums to quiet community libraries, Tellabs® Optical LAN delivers capital and operational savings to major metro cities and rural towns alike

Tellabs Optical LAN is the best choice for the modern, high performance LAN. When compared to its legacy copper-based predecessor, Tellabs Optical LAN is a simple, stable, scalable, secure and a sustainable choice that addresses IT needs with better technology that saves municipalities money.

- **Simple** – With less equipment and cabling to manage and maintain, Optical LAN simplifies networks. Its ability to converge services onto a single fiber-based infrastructure results in capital and operational savings.
- **Secure** – Optical LAN's centralized intelligence and management secures policies and procedures for improved breach mitigation plan. Fiber cables are more secure than copper cables. Today, Tellabs Optical LAN is deployed in the most secure government and military LANs.
- **Scalable** – Optical LAN delivers increased gigabit Ethernet capacity and density. Optical LAN provides the best cost effective path over today's future-proof fiber-based LAN infrastructure for both wireless and 10GbE.



- *"The impact of the fiber network for economic development in Oconee County is going to be huge."*

- Mike Powell, Oconee County Director of IT

- *"We want a library of the future that is flexible. One of the early technology decisions we made was Optical LAN, a future-proof backbone to allow the library to expand as future changes occur."*

- Deborah Barrow, San Diego Library Director

- *"Aggies have always been proud of Kyle Field and the many traditions that unfold there, but this amazing facility will shine an even brighter spotlight on the 12th Man, the athletic program and our great university."*

- Michael K. Young, Texas A&M President

Why promote fiber cabling over copper?

Simply stated, fiber cabling is smaller, lighter, stronger, has better bend radius, less plastics, higher bandwidth capacity, longer reach, less susceptible to interference, it is non-corrosive, faster to install, longer life, more secure and fiber cabling is less expensive.

Why choose Tellabs Passive Optical LAN?

Tellabs Optical LAN (OLAN) affords municipalities the ability to install the most future proof local area network IT infrastructure with the following benefits.

- **Greater Gigabit Capacity and Density** – Copper cabling has known capacities and traditionally as network speeds increase from 10 Mbps to 100 Mbps to 1 Gbps to 10 Gbps the copper cabling has to be ripped out and replaced. Fiber cabling has no known capacity ceiling and today's current generation of fiber cabling has proven capacity measured in terabytes per second. By utilizing fiber cabling, Passive Optical LAN today delivers greater gigabit capacity and density with a graceful low cost path to 10 Gbps speeds.
- **Centralized Intelligence and Management** – Legacy copper-based workgroup switch LAN architecture had distributed intelligence and management. That meant IT staff did their daily moves/adds/changes at disparate end-points across a campus of buildings. Passive Optical LAN is based on centralized machine-to-machine intelligence and management from 1-screen that leverages global profiles to consistently execute the moves/adds/changes with 1-click.
- **Longer Reach Eliminates Telecom Rooms** – Copper cabling has hard distance limitations (100m/300ft) that force the addition of telecom rooms, powering and HVAC requirements through-out a building and campus. Passive Optical LAN can deliver gigabit speed connectivity stretching over 20 to 30 kilometer (12 to 18 miles) with no powering, HVAC nor maintenance needs.

Municipalities win with Passive Optical LAN

Municipalities are wrestling with the challenges presented by complex, evolving LAN technologies for both wired and wireless networks. Tellabs Optical LAN is the simple, secure, stable, scalable and sustainable alternative to legacy copper-based LANs, that allows municipality IT professionals to overcome these challenges and, in the process, save money.

Take the next step. Contact Tellabs today.



+1 800 690 2324
+1 630 798 9900
www.tellabs.com

1415 West Diehl Road
Naperville, IL 60563
U.S.A.

