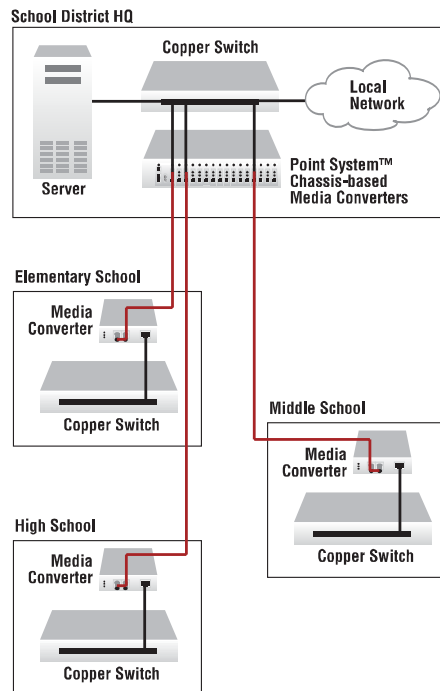




► Use Media Converters in Education Applications

- School District Headquarters
 - Chassis based solution
 - Use existing copper switch
 - Hot swappable media converter cards
 - Redundant Power Supplies
 - SNMP Management Module
- Each School
 - Stand-Alone media converter to receive fiber and connect to main copper switch
 - Optional remote management
 - Chassis based converters may be helpful if fiber is used within individual schools

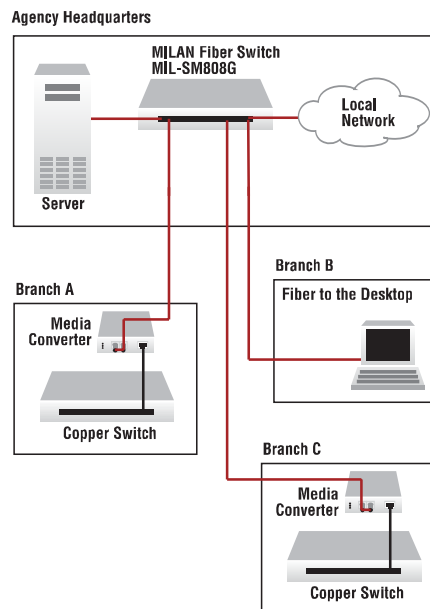


Whether it's a an **educational campus** or a **government agency campus**, a wide area network operating at local area network speeds can be a major contributor to the success of any organization.

Traditionally, when organizations link multiple buildings in their campuses they would choose between dial-up and T1/E1 connections ranging in speeds from 56Kbps to 1.54Mbps. Compare this to Ethernet with speeds from 10Mbps to 1000Mbps. Media converters can be used to deploy fiber optic cable as a high-speed backbone between buildings; providing a campus environment with connections at Ethernet speeds.

- Media converters connect disparate media types:
 - Transparently connect coax, twisted pair, and fiber cable
 - Connect new technologies to legacy systems
- Fiber cable in the outside plant protects data from the negative effects of electrical storms:
 - On fiber, data travels as waves of light, versus electrical pulses on copper cable
 - Data can be corrupted and networks can fail due to lightning strikes
 - Government agencies will value the security benefits of transmitting sensitive data through unsecured areas on fiber cable
- An all-inclusive Ethernet network provides communications at LAN network speeds:
 - 10Mbps, 100Mbps, and 1000Mbps connections are significantly faster than dial-up or T1/E1 connections
 - Combine media converters, fiber cable, and existing copper switches to create a high-speed backbone between schools
- Protect investments in RJ-45 based copper networking equipment:
 - Experience the benefits of fiber without the expense of replacing copper-based networking equipment
- Fiber offers unlimited bandwidth possibilities:
 - Future Proofing - Fiber can handle tomorrow's faster technologies

► Use Media Converters in Government Applications



Recommended Product Families

- Point System™ Chassis loaded with Ethernet media converters
- Redundant Power Supplies for Point System™ Chassis
- SNMP Management Module
- Stand-Alone Ethernet Media Converters



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