Extend Phones via Ethernet, RS232 or Fiber Optics

Application Note

Instantly turn an Ethernet, RS232 or Fiber Optic circuit into a voice network by simply plugging in an analog telephone is an extremely useful application. Intended to provide flexible point-to-point telephone service in even the harshest of conditions, these products are often used by maintenance or service personnel in Campus, Traffic Control, or Utility Substation Networks to insure high quality, dependable phone service.

Other Applications Include

- Setting up hot links via fiber optic networks
- Establishing phone service where cell or landline service doesn’t exist
- Extending emergency phone service to remote sites in campus networks
- Providing voice communications for a pushbutton phone and also passing through a dry contact signal to close a remote relay or activate a camera.
- Using the inherent benefits of fiber optics to maximize security, improve voice quality and eliminate electromagnetic interference (EMI)

Other Applications Include

- TC1900: “QuickTalk” Asynchronous RS232 Telephone (POTS to RS232) Extender
- TC1901: “QuickTalk” Fiber Telephone (POTS to Fiber) Extender
- TC1903: “QuickTalk” Asynchronous RS232 or Fiber Telephone Extender (Supports 1Fiber BiDirectional)
- TC1905: “QuickTalk” Phone and Dry Contact Fiber Extender
- TC1910: Telephone to Ethernet 10BaseT Extender
Typical Point-to-Point Application Using TC1900s to Extend Telephone via RS-232

Typical Application Using TC1900s to Establish a “Hot Link” via RS-232

Typical Application Using TC1910s to Extend Telephone Service via an Ethernet Network in a Substation Environment

Typical Application Using Two TC1910s to Provide a “Hot Link” Voice Service via an Ethernet Network