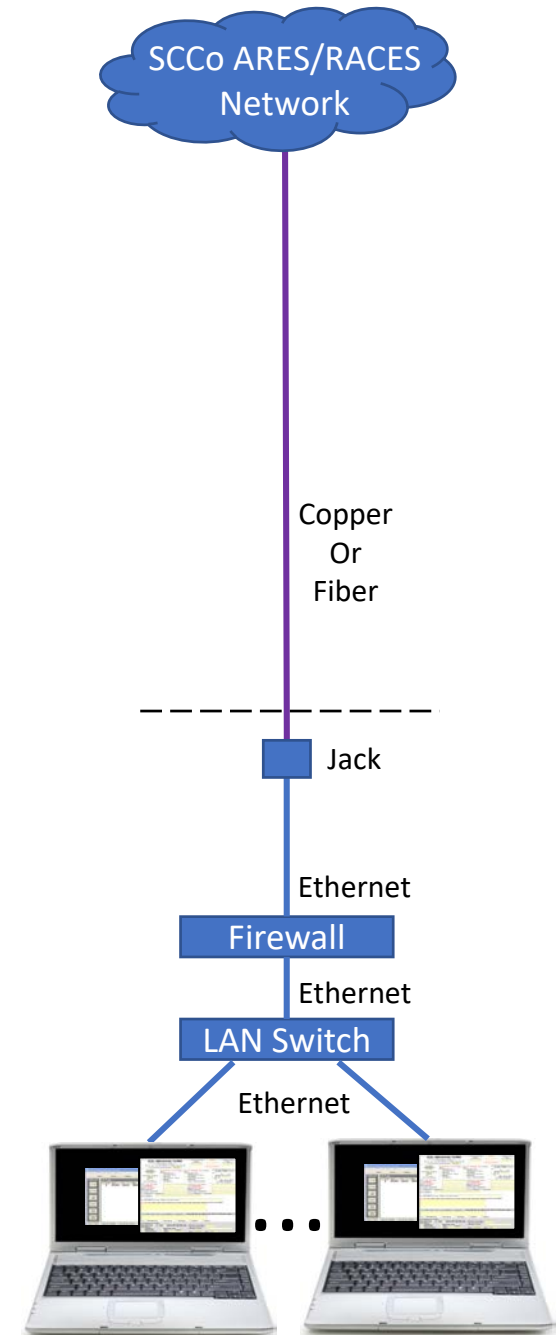# TCP/IP over LAN
# Basic Station Configuration

- Antenna/Radio
  - None
- Cable
  - Copper or Fiber Ethernet cable, depending on location
- Firewall
  - Filter all but specifically-allowed traffic types
- LAN Switch
  - Share connection with multiple PCs, printers, …
- PC(s)
  - Windows preferred for clients

**SCCo ARES/RACES Network**

Copper Or Fiber

Jack

Ethernet

**Firewall**

Ethernet

**LAN Switch**

Ethernet

. . .

# TCP/IP over LAN
# Ideal Station Configuration

- Antenna
  - Tri-band for voice, packet, e-mail
- Cables, firewall, LAN Switch, PC(s)
  - Same as previously described
- Usage
  - Primarily use LAN
  - 56+ Kbps TCP/IP and packet available as backup or for direct communication with field stations

TCP/IP

AX.25

SCCo ARES/RACES Network

2m/1.25m/70cm Antenna

Coax

Copper Or Fiber

Outdoors

Indoors

Triplexer

Jack

56+ kbps Radio

Ethernet

Firewall

Ethernet

LAN Switch

Audio

TNC

Serial

Ethernet

...