

Access Control

- Trivial for point-to-point
 - Multiple lines (duplexing)
 - Frequency Division Multiplexing
 - Time Division Multiplexing - take turns
- Local area networks typically use some form of broadcast
 - Bus topologies
 - Ring topologies
 - Star topologies
 - Distributed topologies (wireless)

Time Division Multiplexing

All common LAN's use digital signaling and some form of TDM.

- Round-robin - Low utilization if all stations aren't busy.
 - Round-robin with some way to forfeit your turn.
 - Round-robin with a request cycle.
- Token-passing - Overhead of managing the token.
- Contention - Overhead of handling contention resolution.