

Layer 1 – Physical Layer

Defines the physical and electrical medium for network communication:

- Sending and receiving bits (1 or 0)
- Encoding Signal Types
 - Electricity, radio waves, light
- Network Cabling, Jacks, Patch Panels, etc.
 - Copper or Fiber
- Physical Network Topology
 - Star, Mesh, Ring, etc.
- Ethernet IEEE 802.3 Standard
- Layer 1 Equipment
 - Hubs, Media Converters, Modems

It's responsible for the network hardware and physical topology.

