**4.1 Ethernet:**

**4.2 Ethernet Specifications:**

**4.4 Troubleshooting Physical Connectivity**

Physical bus topology is when a long segment is terminated on both ends with hosts all connected on same bus cable. If cable or system fails at any point, signal and communication will fail.

Physical star topology is when all hosts are connected by a central switch, where host failures do not cause any network damage. This topology is generally more fault tolerant.

Physical ring topology is when data moves from device to device downstream. A broken connection breaks down connections downstream. Works in a loop and less fault tolerant than a star topology.

Physical Mesh Topology is only commonly used in wireless standards as it is extremely expensive to use in physical settings.