

Layers 1-2 : Physical-Datalink

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- The Physical Layer (Layer 1) is in charge of transmitting data through :

- a medium (cable, wireless)

- a technique (baseband, broadband)

- a mode (half or full duplex).

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The Datalink Layer (Layer 2), which works on MAC addresses, is in charge of synchronizing, detecting errors but not repairing (FCS - Frame Check sequence through parity bit) and identifying the packets coming from different operating systems (LLC - Logical Link Control). A frame is built as follows :