

Modem

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A **Modem** Modems (modulators-demodulators) are used to transmit digital signals over analog telephone lines. Thus, digital signals are converted by the modem into analog signals of different frequencies and transmitted to a modem at the receiving location. The receiving modem performs the reverse transformation and provides a digital output to a device connected to a modem, usually a computer. The digital data is usually transferred to or from the modem over a serial line through an industry standard [interface](#), RS-232. Many telephone companies offer DSL services, and many cable operators use modems as end terminals for [identification](#) and recognition of home and personal users. Modems work on both the Physical and Data Link layers.

Source: <https://blog.netwrix.com/2019/01/08/network-devices-explained/>

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Last update: **2021/08/06 17:23**

