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|  | BASEBAND  • Sending a digital signal without changing the digital signal to an analog signal. | BROADBAND  Sending a digital signal by changing the digital signal to an analog signal. |
| TYPE OF SIGNAL? | DIGITAL | ANALOG |
| TRANSMISSION? | BIDIRECTIONAL ( | UNIDIRECTIONAL |
| MUKLTIPLEXING TECHNIQUE? | TDM | FDM (divided by Channel) |
| NUMBER OF SIGNAL ? | 1 SIGNAL | MORE THAN 1 |
| SIGNAL RANGE | Short Distance | Wide range/Long SDistance |
| FILTER? | Requires a low-pass channel – a channel with a bandwidth that starts from zero. | bandpass channel – a channel with a bandwidth that does not start from zero. |
| EXAMPLE? | Ethernet  BASEBAND LAN (single channel, unmodulated digital signal) | TV, WIFI, ADSL  BROADBAND LAN(MulitichannelDATA, VIDEO, VOICE use broadband LAN) |

BASEBAND VS BROADBAND