# NIC，*EDC,* FEC,CRC， TDMA， CDMA， FDMA， CSMA， CSMA/CD,CSMA/CA,ARP， PPP， VLAN，LAN， MAC

- network interface card，Parity Checks，forward error correction， polynomial codes, point-to-point link, broadcast link, multiple access protocol, collide，channel partitioning protocols, random access protocols, taking-turns protocols，time slots，code division multiple access，ALOHA，s-ALOH, carrier sensier，collision detection，channel propagation delay，binary exponential backoff，polling protocol，token-passing protocol，physical address，hub，switch，*Preamble,* repeater，Filtering，Forwarding，self-learning，virtual local area networks，