## Ethernet in the First Mile:

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## Ethernet in the First Mile:

Base line CDMA MAC Protocol (IEEE 802.3) can't meet the QoS requirements.

Ethernet in the First Mile must be:

- All-switched Multi-Service Ethernet
- All services over IP (IP over Ethernet)

## Ethernet in the First Mile:

Inexpensive Ethernet 0,1/1 Mbps network cards permit customers to get high speed full duplex access to Internet by means of computers (PC,NC,notebook,PDA) via the "client – swiplex – server – Internet" diagram (Fig 1). Swiplex is the switch, which has 10 input channel C Mbps and 1 output channel 10 C Mbps.

Interconnection of customers' computers (clients) with the Swiplex could be provided by:

- -xDSL modems via telephone circuits.
- cable modems via coaxial part of the hybrid fiber/coaxial TV network.
- radio modems of the wireless access networks.

## **Ethernet is the First Mile.**

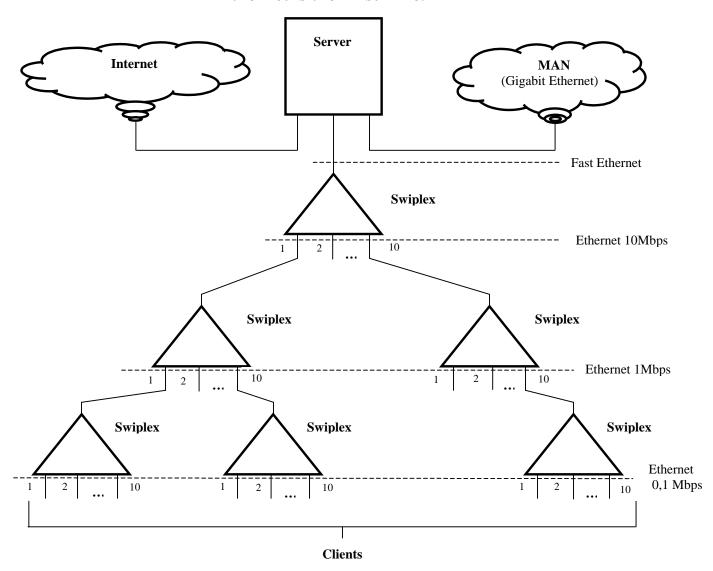


Fig. 1