

# STRUCTURE TERMINAL EQUIPMENT BASED ON IP TECHNOLOGY

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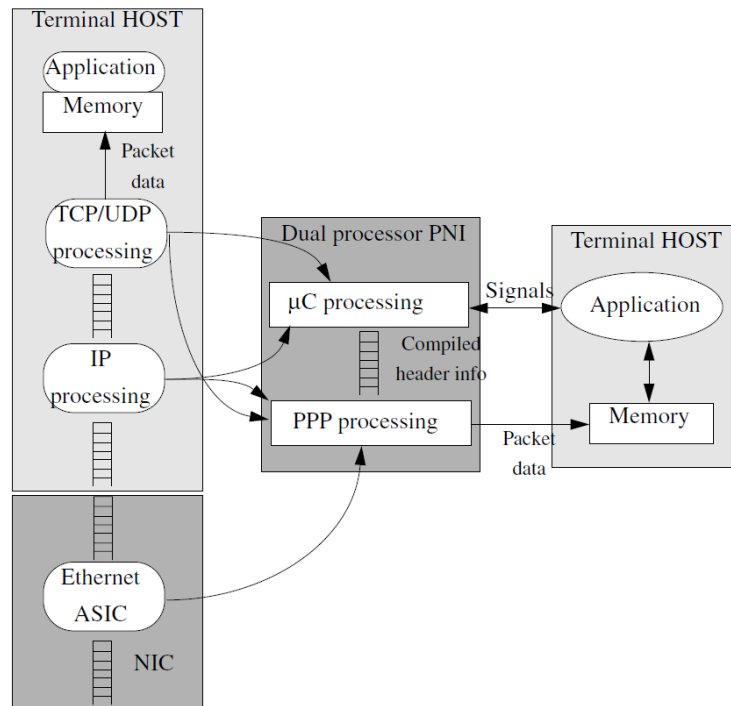
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*Karshi branch of TUIT named after Muhammad Al-Khorezmi*

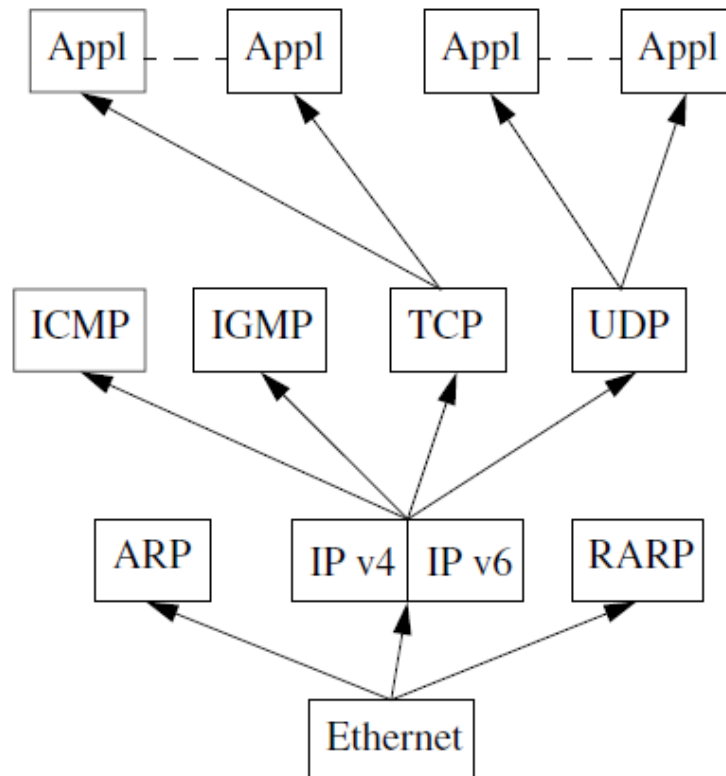
Internet and modern telecommunications network based on IP technology and a large number of today's diverse network. This network consists of a variety of terminals and network devices. According to ensuring access to the information resources of the network and the network terminals and routers that provide network connectivity, and active switch devices.

Today, network terminals, network access technologies based on different technologies. IMS (IP Multimedia Subsystem) based on next-generation networks for network access and transportation network devices only need to create the basis of the concept of IP networking. Modern network terminals adapted to work with IP-based networks, different network technologies. Today qunda network solutions as Gigabit Ethernet, Wi-Fi, Wimax and other subscriber access network technologies.

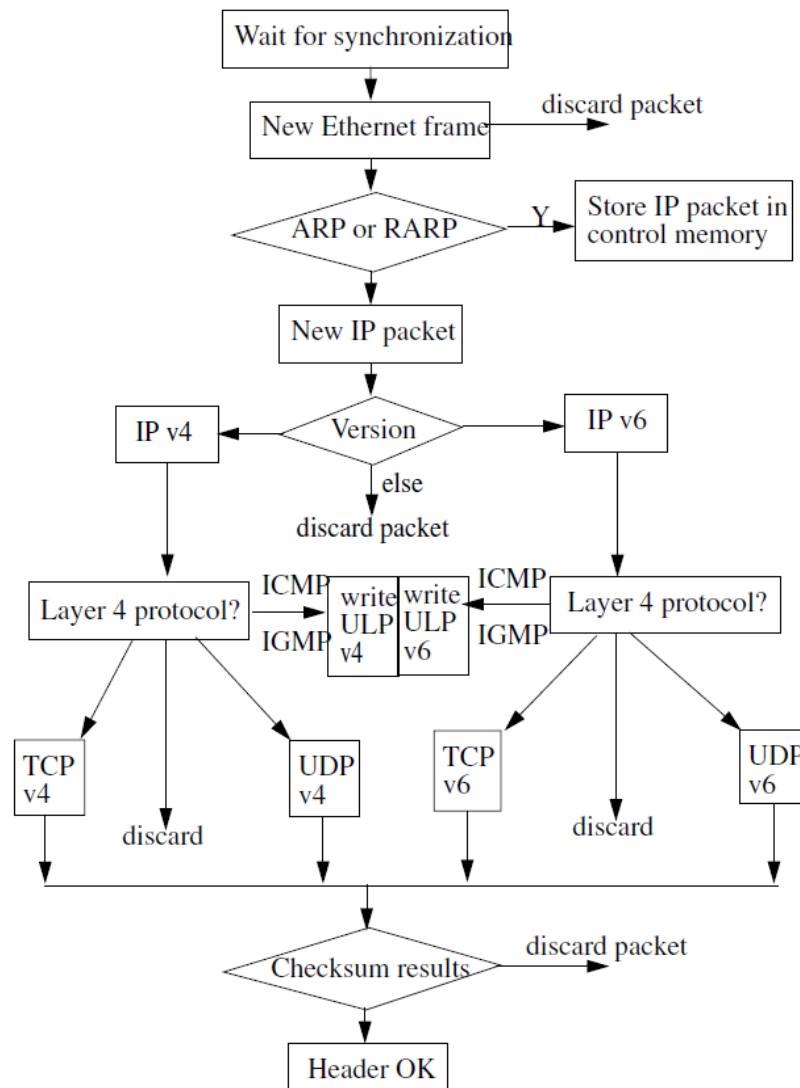
Network terminal, the main attention is focused on the sale of the network functions. The development of a modern network terminals TCP / IP is based on the concept and the implementation of all levels of this model. Modern IP network to provide a variety of services in the terminals are used for a variety of applications. TCP / IP communication terminal equipment in accordance with the architecture of protocols model can be described as follows.



*Figure 1. TCP / IP architecture based terminal structure.*



*Figure 2. IP network terminal protocol interaction.*



**Figure 3. IP network terminal processing packages.**

IP network terminal to transmit and receive data processing tasks, such as system design, a number of requirements. One of the main requirements of data processing blocks of the processor and network interface, speed and reliability. Because they are providing multimedia and interactive services, today considered as an important factor in the design of network terminals, provide the capacity needed to provide the service.

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