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address received in the IP packets, said delivering step utilizing Address Resolution Protocol (ARP) procedures to deliver the datagrams.

7. A method of connecting a plurality of devices, through a single mobile terminal (MT) and a single wireless link to a packet data network (PDN), said method comprising the steps of:

connecting the plurality of devices and the MT on a network;

requesting by the MT, a separate packet data protocol (PDP) context for each device on the network; and

utilizing a Point-to-Point Protocol over Ethernet (PPPoE) session between the devices on the network and the MT to virtually separate the physical network connection into a plurality of unique individual IP addresses assignable to the plurality of devices on the network.

8. The method of connecting a plurality of devices through a single MT and a single wireless link to a PDN of claim 7 wherein the step of connecting the plurality of devices and the MT on a network includes connecting the plurality of devices and the MT on a local area network (LAN).

9. The method of connecting a plurality of devices through a single MT and a single wireless link to a PDN of claim 8 wherein the step of connecting the plurality of devices and the MT on a LAN includes connecting the plurality of devices and the MT on a wireless LAN.

10. The method of connecting a plurality of devices through a single MT and a single wireless link to a PDN of claim 7 wherein the step of requesting by the MT, a separate packet data protocol (PDP) context for each device on the network includes the steps of:

launching a PPPoE session on the network between the MT and the plurality of devices;

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receiving by the MT, an indication from an individual device on the network that the device requires an IP address; and

requesting by the MT, a separate PDP context for each individual device on the network that requires an IP address.

11. The method of connecting a plurality of devices through a single MT and a single wireless link to a PDN of claim 7 further comprising linking each separate PDP context to a PPP protocol stack in the MT.

12. The method of connecting a plurality of devices through a single MT and a single wireless link to a PDN of claim 11 further comprising sending by the MT, a unique individual IP address to each device on the network using the PPPoE protocol.

13. A mobile terminal (MT) for connecting a plurality of devices on a local area network (LAN) through a single wireless link to a packet data network (PDN), said MT comprising:

means for requesting from the PDN, a separate packet data protocol (PDP) context for each device on the LAN; and

a Point-to-Point Protocol over Ethernet (PPPoE) stack comprising:

means for connecting the MT to the plurality of devices on the LAN;

means for receiving an indication from each individual device on the LAN whether the device requires an Internet Protocol (IP) address; and

means for distributing IP addresses to the plurality of devices on the LAN.

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