A technology-independent MAC layer will control the home network and provide services as well as connectivity to any number of devices the user wishes to connect to the OMEGA network. This Inter-MAC layer will allow the service to "follow the user" from device to device.

Inter-MAC automatically configures a path for the HD flow from blue ray player to PC with guaranteed QoS, triggered by UPnP request. The data stream uses 3 different physical media. In case of failure of the 230V link a new path over the direct WiFi link is automatically established within less than 1 second. This path supports standard TV quality only. If the 230V link becomes available again Inter-MAC switches back to the HD path.

Inter-MAC Application Example

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