MOST Cooperation Demonstrates Seamless Integration of Ethernet-based Devices

Seamless Integration Capabilities of Ethernet based Devices with MOST

The MOST Cooperation (MOSTCO) - the standardization organization for the leading automotive multimedia network Media Oriented Systems Transport (MOST) - presents the seamless integration capabilities of Ethernet-based devices with MOST. "We are proud to announce that automotive Ethernet will go into series in 2012 via MOST150," stated Dr. Christian Thiel, MOST Cooperation Administrator. "Prepared for rollout in 2012, MOST150 provides an automotive-ready physical layer for Ethernet protocols in addition to transporting high-definition audio and video within the car.

This makes MOST an ideal network backbone for a broad variety of IP-based applications such as supporting apps on connected services and Internet access in general. MOST is thus comparable to an IEEE802.x network." The MOST150 network supports today's consumer standards such as UPnP (Universal Plug-n-Play) and DLNA (Digital Living Network Alliance) as well as diagnostics standards (DoIP). The flexibility of MOST network technology allows star, daisy-chain, tree, and other topologies implemented on different physical layers: POF, coax based electrical physical layer, and shielded and unshielded twisted pair (STP/UTP) copper wires.

Typical Ethernet-based applications include: an Ethernet gateway lifts Ethernet Packets from a 100BaseT Network to a MOST Network and vice versa. A web server provides web content to other participants in the MOST network. A Network Attached Storage (NAS) provides a file system to other participants in the MOST network. A UPnP server/client architecture can be directly applied to the MOST system to stream audio/video data from UPnP server to the iPad. The central MOST Hub device shows how the different physical layer and topology options may be applied according to the application requirements.

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