IEEE1394 and LANs

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Agenda

• Introduction
• Overview of 1394, Raj Paripatyaadar
• What’s Next? Vinod Bhardwaj
• Home Networking, Paul Bottorff
• Summations, Q&A
FireWire®

- Invented, Patented, and Trademarked by Apple Computer
- IEEE Standard in 1995
- Over 6 Million Ports Sold Worldwide*
- Called i.Link® by Sony

*1394 Trade Association
IEEE 1394

- PC Peripheral Interconnect
- Consumer Electronics Digital Interconnect
- Half-duplex Shared Medium with Limited Topology
  - 4.5 meter STP cable links
  - 64 nodes per bus (on 15 links)
  - 100/200/400Mbps
Relevance to 802

- **IEEE 1394b**
  - Extended Distance -- 100 Meters
  - Higher Speed -- 800Mbps and 1.6Gbps
- **IEEE 1394.1**
  - Bridging
- **IETF**
  - IP Over 1394