

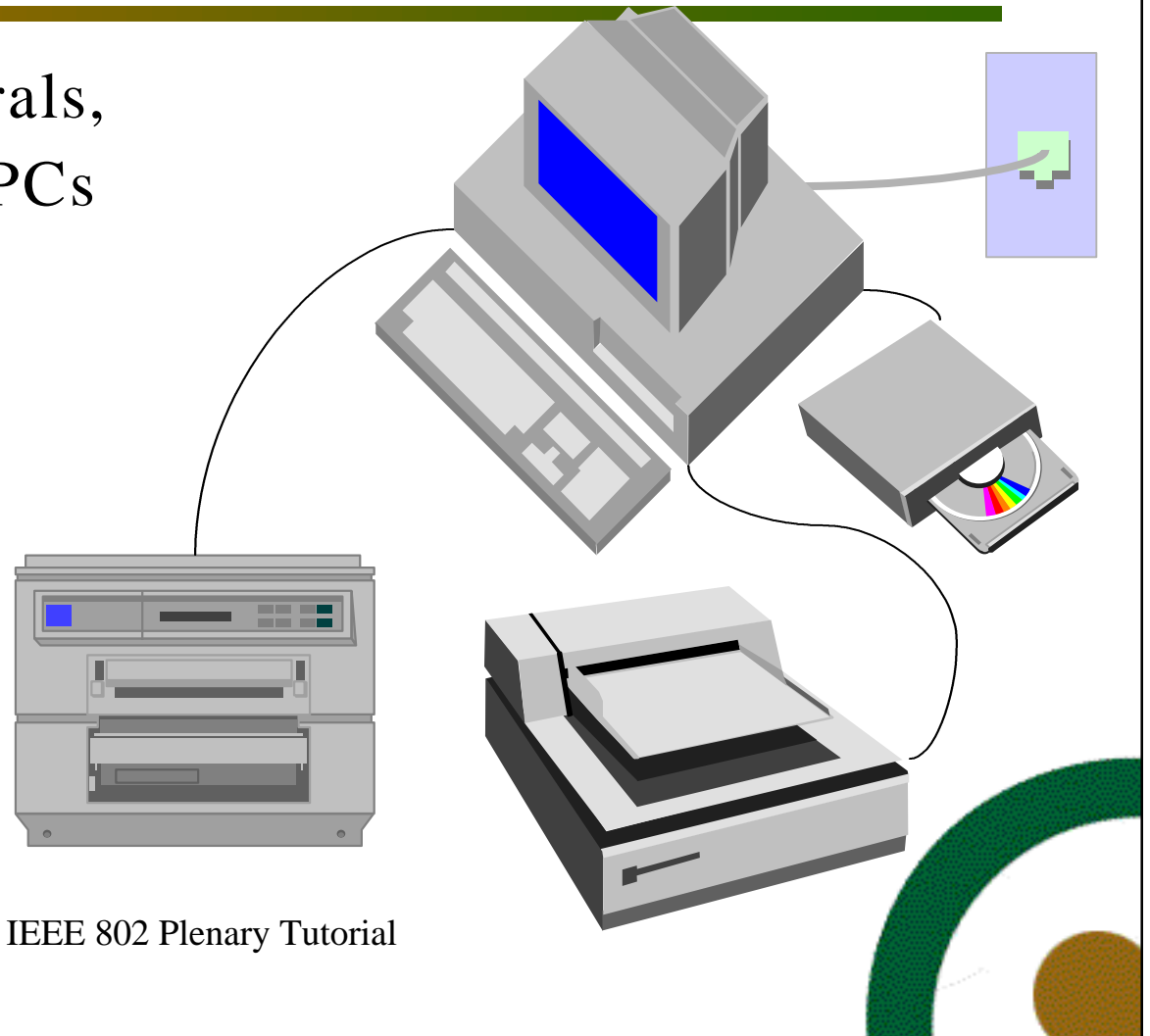


What's Next?

Vinod Bhardwaj, ControlNet

Tiny Area Networking

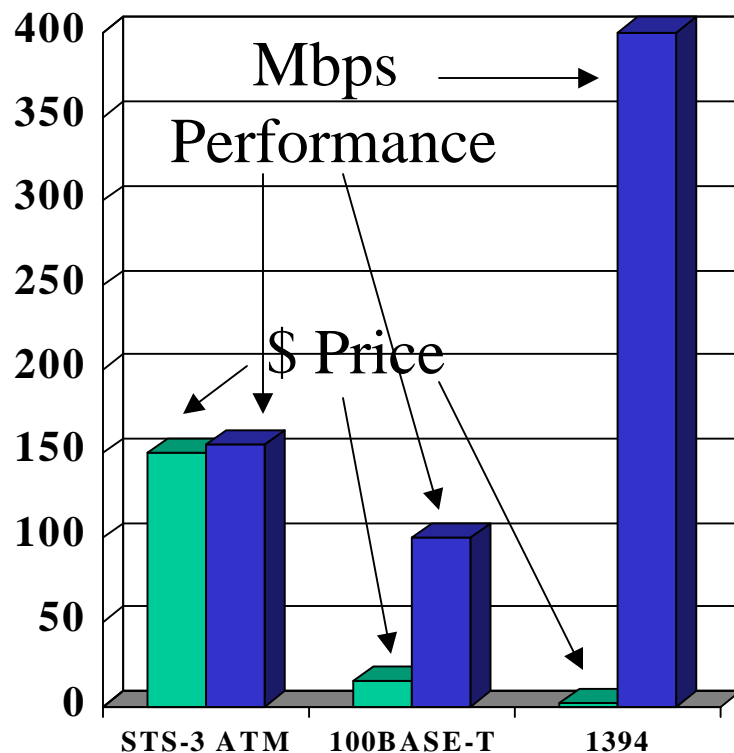
- 1394 for Peripherals, Electronics, and PCs
- Simplifying the Desktop
- Enabling New Applications
- Limiting the Need for Ethernet



10 November, 1998

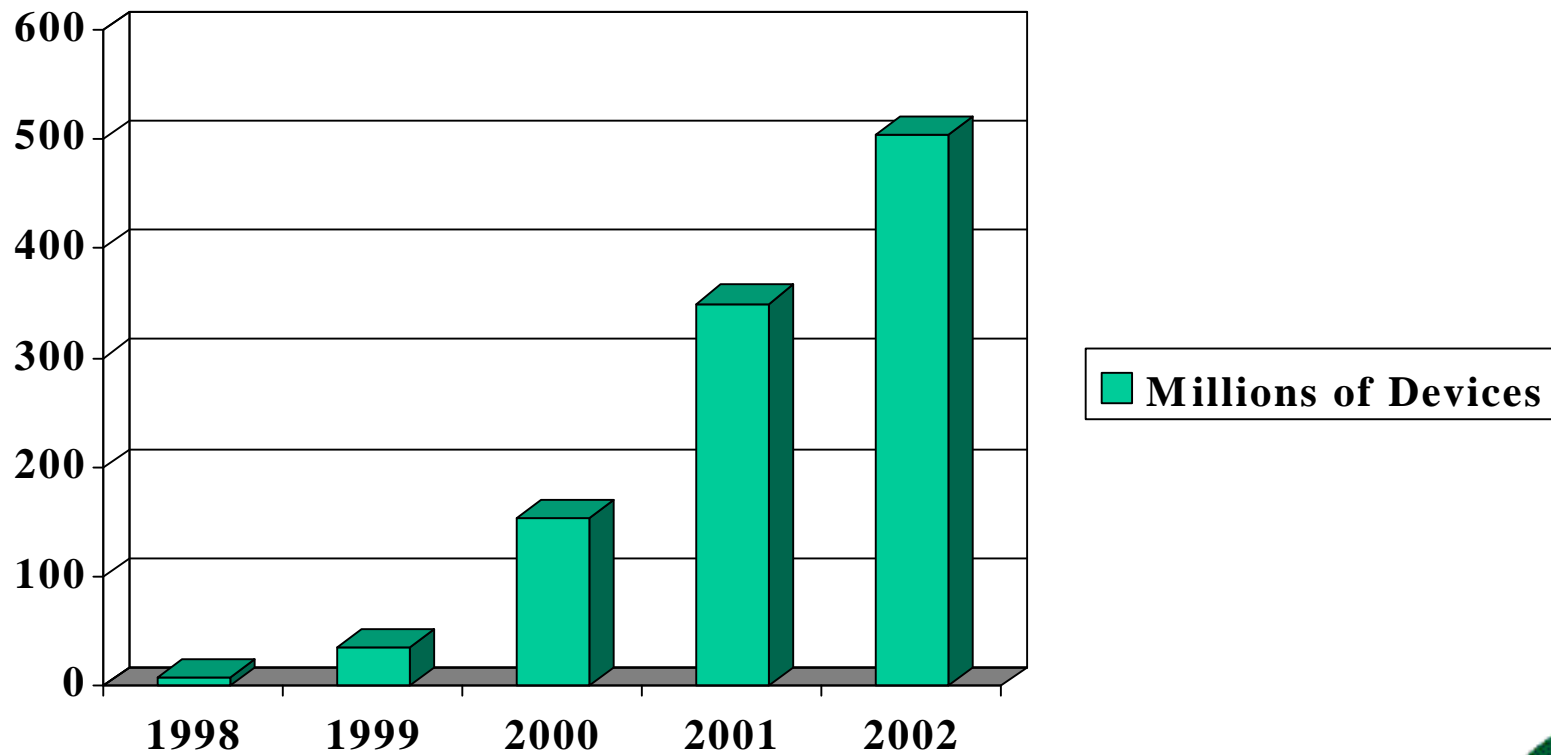
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1394 Philosophy



- Logic Gates Are Cheaper than Memory
- Integrated Is Cheaper than Installable
- NRE Is Cheaper than COGs

IEEE 1394 Market



Cahners InStat, June, 1998

10 November, 1998

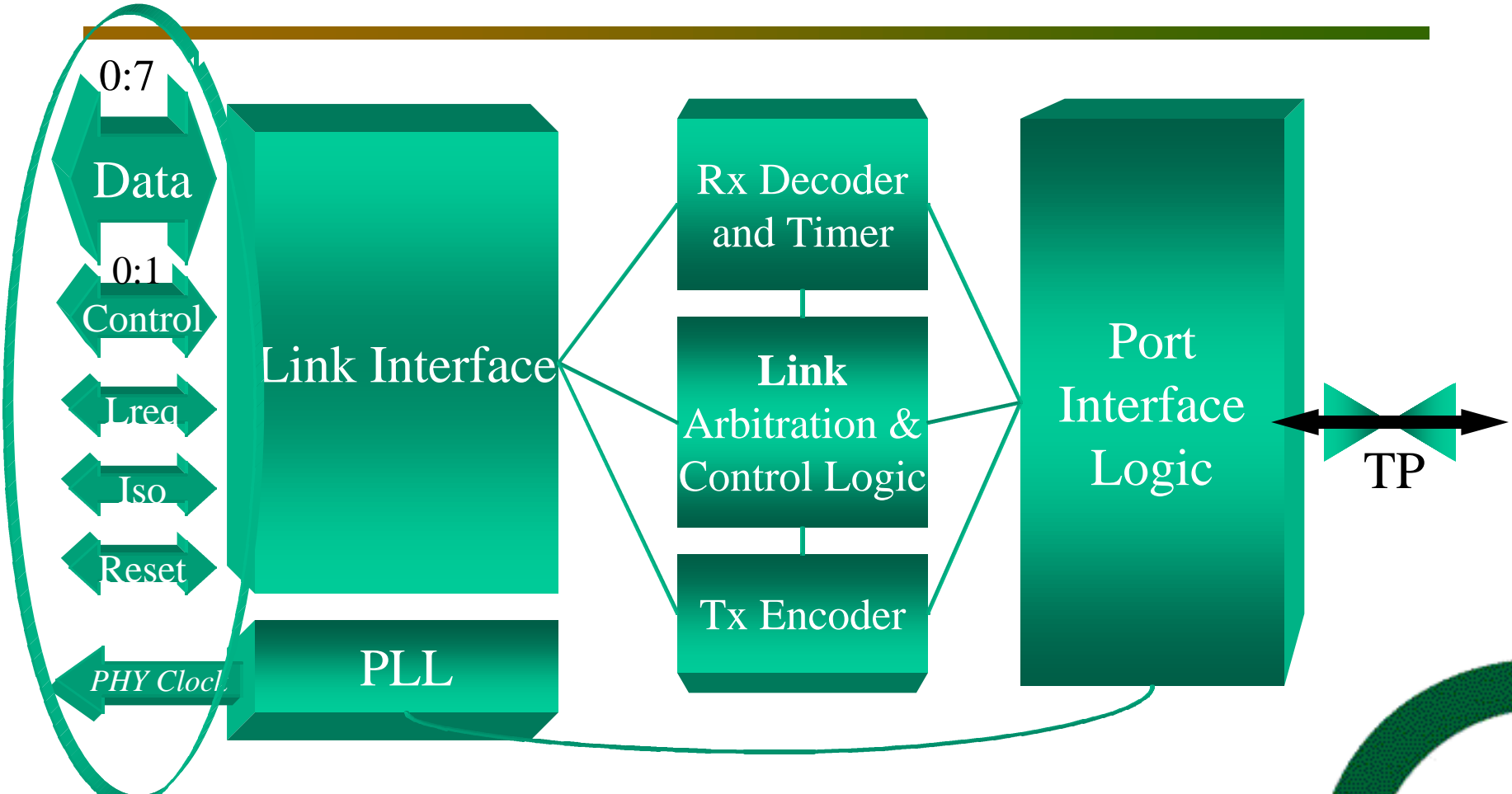
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How Does 802 Play?

- 802.3 -- Long Haul UTP PHY
 - 100BASE-TX to 1000BASE-T
- 802.1 -- Switching
 - Forwarding, Address Resolution
 - Organizing Buses and Reconfiguring Topologies
- Legacy Integration
 - Ethernet to 1394

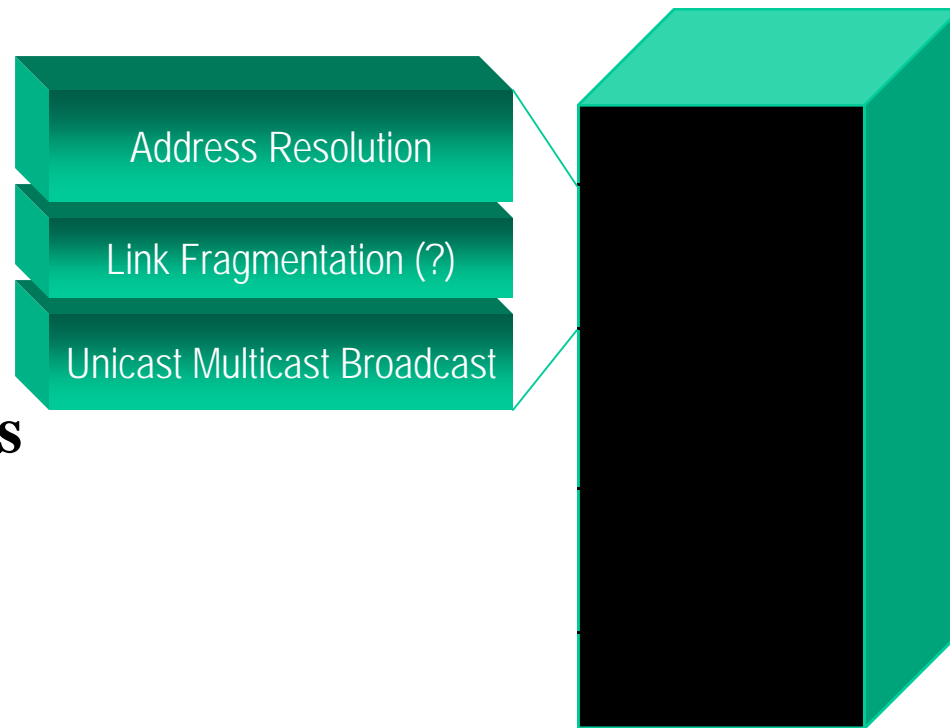


1394b PHY

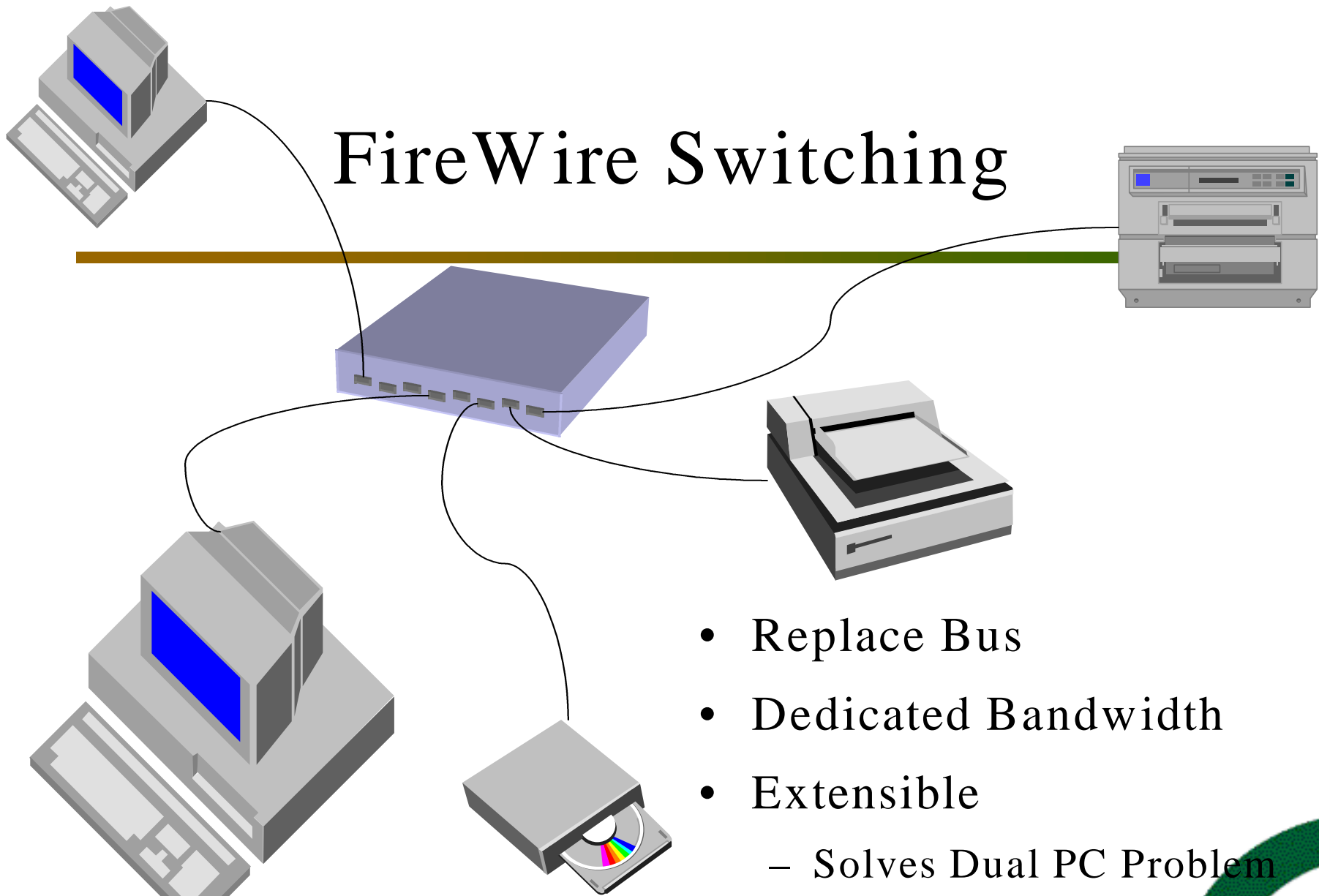


Ethernet Over FireWire[®]

- Ethernet Over IEEE1394 PHY/LINK Interface
- 100/200/**400Mbps**
- Uses Streams for Multicast Traffic



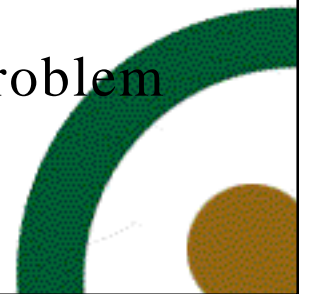
FireWire Switching



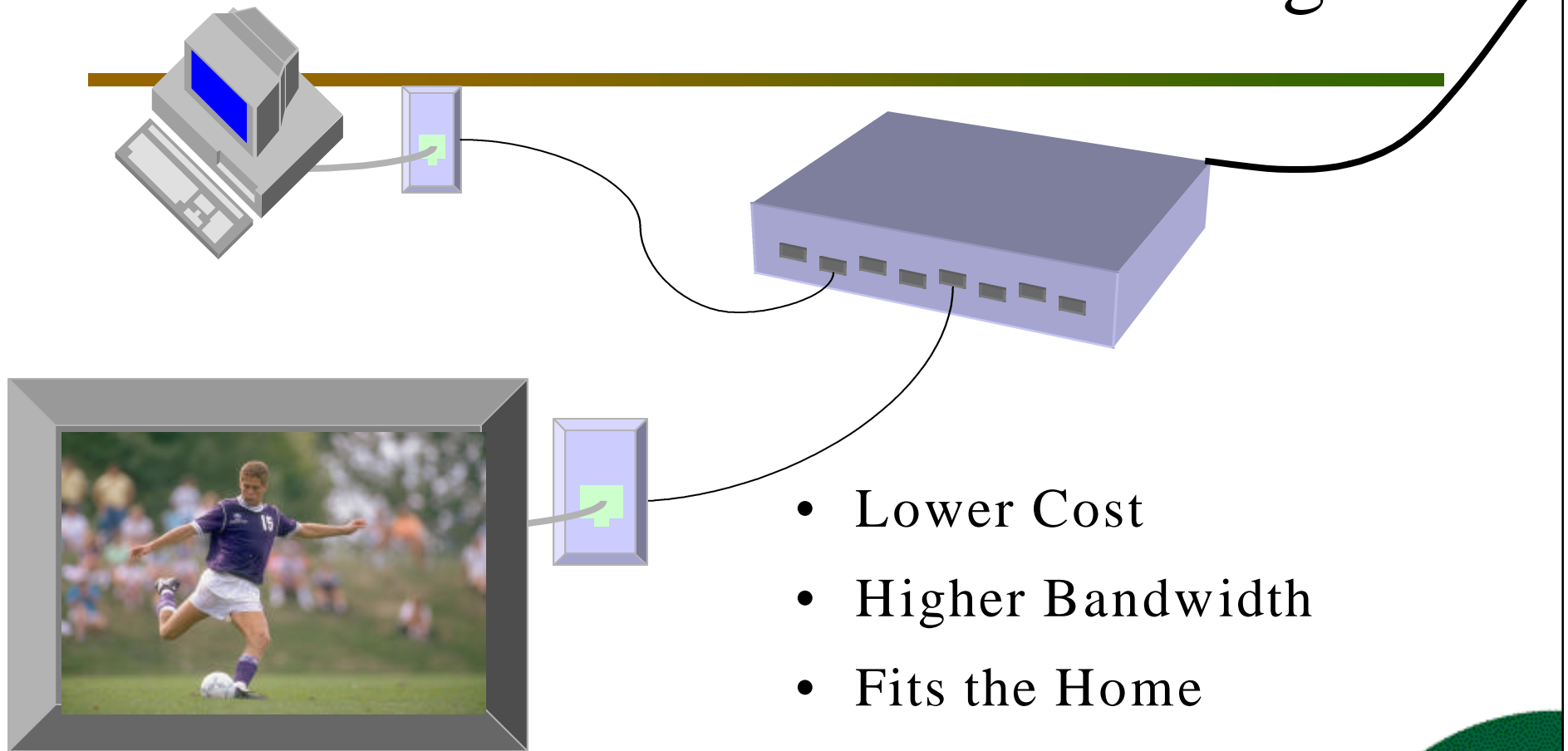
- Replace Bus
- Dedicated Bandwidth
- Extensible
 - Solves Dual PC Problem

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FireWire/Ethernet Switching



- Lower Cost
- Higher Bandwidth
- Fits the Home

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Peripheral Networking in the Home

- Any Digital TV in the House is a Remote PC Monitor
- Full Support of TV Video without the overhead of TCP/IP
- Full Support of Internet without the burden of TV video

TV Net
Audio Net
VideoGame Net



PC Net
Internet



Summary

- Converge Two Technologies
 - Ethernet
 - FireWire
- Partnerships
 - Standards work, development
- Customer Requirements
 - Define the value proposition

