Subject: Re: Custom vs. commodity networks
Posted by Walter F.J. Müller   on Tue, 15 Jun 2004 08:05:57 GMT
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I'd like to inject two new arguments into the discussion:

The main usage of networking components will be to interconnect programmable logic bases
processing units. This means that the link termination is, at least partially, in programmable
logic resources. So the complexity and cost of the link termination is a significant factor, and as
a consequence, one would like to have very lean and light-weight protocols.
The shoping list of commodity networks given earlier (Ethernet, ATM, SCI, HIPPI, ...) contains
the traditional products, developed for LAN and SAN applications. A network designed for
short and medium distance chip-to-chip communication might much better match our
requirement profile. PCI Express Advance Switching is positioned in exactly this market and
now fully specified. I wonder whether somebody had a serious look at PCIe-AS so far.