
Subject: Re: Custom vs. commodity networks

Posted by [Krzysztof Korcyl](#) on Tue, 08 Jun 2004 10:02:06 GMT

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Hello,

I would like add yet another "pro" for the commodity networks - mainly a possibility to profit from continuous evolution and upgrade of existing standards - examples being: Ethernet (100Mbps, 1Gbps, 10Gbps, 40Gbps....), ATM (155 Mbps, 622 Mbps) and perhaps others.

And a comments on "cons" for the commodity network.

The required oversize of the network due to not perfect match to our requirements is not a serious limitation. Only in the point-to-point connection one can use fully the available network bandwidth. In a distributed networks one has to install additional bandwidth (and buffering) to accomodate for asynchronous communications. As the networks should be undersubscribed then the additional bandwidth from the commodity standards may actually be cheaper (as the components are cheaper) than from dedicated networks.

And the second comment: high price for the high rate components are subject to continuous and ever-faster drop than we used to see over previous years.

best regards,

Krzysztof.
