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## **EtherTalk NB Card: Can Run Both EtherTalk & TCP/IP**

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TOPIC -----

Can you run EtherTalk and TCP/IP on our EtherTalk NB Card at the same time?

I need a workstation that runs MarketMax (an EtherTalk-based, client/server data feed service), has four 3270 sessions running (I'm thinking of the Netway 2000 with EtherTalk option), and has MacX for X Window System to their Sun servers (that's where TCP/IP comes in).

Will this work, and what do you think traffic will look like (MarketMax puts very little traffic on the Ethernet)? Alternative solutions might be to use a Coax/Twinax Card and MacDFT for the 3270 sessions, or use a GatorBox for the Sun sessions.

DISCUSSION -----

There should be no problem sharing the EtherTalk NB Card between EtherTalk and TCP/IP.

It is not clear whether you need many workstations or just one, and if many workstations are required, whether you need distributed sessions on those stations.

Depending on the number of workstations to be connected to the mainframe, Tri-Data Netway 2000 from Tri-Data Systems is certainly a solution; however, it might be overkill for one workstation.

Running MacDFT using the Coax/Twinax Card will work, but you will need to connect to an IBM 3X74 controller. Running MacDFT 1.1 using the Serial NB Card, you can have SNA connectivity to the host via a Front End Processor.

You can also run Avatar MacMainFrame 3.5 (from Avatar, Inc.) using Avatar SNA/SDLC card and distribute the sessions to LocalTalk, EtherTalk, or TokenTalk.

It is difficult to predict the traffic without knowing about the network topology, the number of workstations, and the applications. Of the applications you mentioned, MacX might be the one with the most traffic, but this should be fine with one workstation.

For more information, search under: "DCA (formerly Avatar)" and "Tri-Data Systems"

Article Change History:

26 July 1993 - Company title changed from Avatar to DCA (Digital Communication Associates).

3 May 1990 - Updated for technical accuracy

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