



Elzet80

BAPI (BITBUS Application Programmers Interface)

The BAPI-Standard (pdf) which was passed by the Bitbus European Users Group offers a single common API to access BITBUS over a wealth of media and manufacturers. Therefore no proprietary drivers are necessary and it is very simple to operate a heterogeneous BITBUS environment. BAPI supports mulittasking, so several tasks from different applications can access the interface with out blocking it for other tasks. In addition several BITBUS-master-boards can be used at once, the Windows-WDM-driver for example supports 6 masters that all can be accessed by up to 16 tasks at the same time.

Elzet80 provides you with BAPI conform access through PCI, USB, PCI/104, ISA and Ethernet. Wiht the special alternate bapi.dll for BAPI over TCP the TSM-ARMCPU or the NET-A7 can operate as Ethernet-BITBUS-gateway in addition to their normal ExpressI/O functions. This might make double wiring (Ethernet and BITBUS) unnecessary without having to change the programming. It works just like a local BITBUS-master-board. In contrast to PCI or USB the master will not be automatically detected by Windows, therefore we provide a tool to simply set the gateways IP-address.

BAPI-drivers are available for all Windows versions from 98, Windows NT and Linux.

