



NETBRICKS API-BRICKS

INTRODUCTION

NETBRICKS *API-BRICKS* is a portable software package implementing the an Application Programming Interface (API) for Netbricks portable software.

API-BRICKS applies mainly between the embedded CPU running lower layers of Netbricks stacks and host upper layers stacks or host applications. The API builds an isolation barrier between the two worlds. ASN-1 syntax is used in order to transfer data independently of CPU and compiler types.

API-BRICKS interfaces the following layers :

- ❑ DTE Interface processing AT commands
- ❑ EuroFile Transfer
- ❑ ISDN Call Control and Network Signaling
- ❑ X25-PLP
- ❑ Data Link (LAPD, LAPB)
- ❑ PH layer in HDLC mode

API-BRICKS is designed for supporting the following host API :

- ❑ XTI/XX25 according to X/Open
- ❑ CAPI-2 for MS/Windows
- ❑ User API

API-BRICKS is compliant with ETSI standard ETS 300 325 (PCI for ISDN).

API-BRICKS architecture is based on NETBRICKS architecture using object oriented design and a message passing mechanism for inter-entity communication. *API-BRICKS* is designed to process a rough synchronous byte stream or to support HDLC controller. Interfaces to most of commercial RTOS are provided : AMX, Nucleus, PSOS+, RTC, VRTX, WxWorks, ...

API-BRICKS is addressed to the OEM market. Netbricks can develop any custom product based on *API-BRICKS* technology according Customer's specifications.

FEATURES

API-BRICKS consists of the following software entity :

- API-SERVER

API-BRICKS SOFTWARE ARCHITECTURE

