

Proteus 2 Features

Proteus 2 has a number of interfaces that can be combined as input/output mediums with Proteus Protocol stacks for a complete Communications System. This Technical Specification defines only one element of Proteus that should be read in conjunction with other interface specifications.

Proteus Serial Data Interface

The Proteus processor can support up to 2 serial data interfaces. The serial interface can be used for setting up calls and transferring data over other Proteus interfaces such as ISDN, Ethernet and GPRS.

The serial interface can also be used for access to Proteus processor configuration parameters.

The serial interface has the 'look and feel' of a modem and is compatible with existing systems that are designed to operate with a modem. This plug compatible approach means that any system that currently uses a modem can be readily adapted to other communications networks including ISDN, Ethernet/IP and GPRS.

The serial interface is presented from the processor at logic levels and can be adapted to RS232 levels using any of the many industry standard driver chips available.

Feature Overview

Within a single Integrated Circuit package, Proteus includes all the major functions required for the ISDN interfaces:

- Hayes modem compatible interface
- Autobauding from 2400 bps to 15200 bps
- Hardware flow control (RTS/CTS)
- Call connected indication (CD)
- Auto-dial and auto-answer
- LED drivers for port status indication

Further Information Available

The following further information is available for Proteus with ISDN

- Technical specification (see web site www.chiron.uk.com)
- Reference Circuit Diagram
- Evaluation Board

