



Encore's V.90 Modem (Digital - Server)

Technology

This implementation is based on the ITU-T V.90 (Digital), V.34, V.32bis, V.22bis, V.21 and V.23 Recommendations. All the data rates ranging from 56 Kbps down to 300 bps are supported. The implementation handles full-duplex data.

Features

- Adheres to all the mandatory features of ITU-T V.90 (Digital) Standard (1998).
- Supports all other V- Series modulation modes including V.34, V.32bis, V.22bis, V.21 and V.23
- Negotiate full duplex V.34 operation if connection does not support V.90 operation.
- Automodding to V-Series modems supported by V.32bis automode procedures.
- Use of V.8 procedures for during modem startup procedure for modulation modem selection
- HDLC Framing Support.
- Multi Channel Capability
- Highly optimized implementation
- Relocatable Code & Data Modules.
- Flexible Programming Interface ('C' Callable).
- Tested against various impairment combinations using Standard Test Equipment (TAS).
- Provided in the form of Hardware Independent Library for easy pointing to the target platform.
- ITU-T V.42 – Error control protocol and V.42bis data compression modules can either be available as part of this package or additional modules.

Platforms

- TMS320C64x
- TMS320C62X
- TMS320C54x
- ARM-9

Performance Numbers

Platform	Program Memory (KBytes)	State Memory (KBytes)	Scratch (KBytes)	Tables (KBytes)	MIPS/MCPS
TMS320C64x	178	34*	0	19	18.7
TMS320C62x	195	34*	0	19	18
TMS320C54x	56	24*	0	16	35
ARM-9	99	25*	0	19	85**

* Specifications are subject to change

- * In addition to this, 1400 bytes are required for every 100ms bulk delay.
- Numbers does not include V.42/V.42bis modules
- ** Measured with 16 KBytes I Cache and 16 KBytes D Cache

Availability

Now

For further information please visit our web site, <http://www.ncoretech.com> or email to: jp@ncoretech.com