



# Encore's V.34 Modem

## Technology

This implementation is based on the ITU-T V.34, V.32bis, V.22bis, V.21 and V.23 Recommendations. All the data rates ranging from 33.6 Kbps down to 300 bps are supported. The implementation handles full-duplex data transmission.

## Features

- Adheres to all the mandatory features of ITU-T V.34 Standard (1998).
- Supports all other V- Series modulation modes including V.32bis, V.22bis, V.21
- Channel separation by echo cancellation techniques.
- Employs QAM and Trellis coding
- Provide line probing signals for channel quality determination
- Automodems 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	154	26*	0	19	18.7
TMS320C62x	173	26*	0	19	18
TMS320C54x	46	16*	0	16	35
ARM-9	81	17*	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: [ip@ncoretech.com](mailto:ip@ncoretech.com)