



## Encore's V.22/V.22bis Modem

### Technology

This implementation is based on the V.22/V.22bis, V.21 and V.23 Recommendations. All the data rates ranging from 2400bps down to 300 bps are supported. The implementation handles full-duplex data transmission.

### Features

- Adheres to all the mandatory features of ITU-T V.22/V.22bis Standard.
- Supports all other V- Series modulation modes including V.21, V.23
- Channel separation by frequency division.
- Employs QAM at 600 bauds per second
- Support for both V.8 and Non-V.8 procedures during mode 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
- Microchip's dsPIC
- ARM-9

### Performance Numbers

Platform	Program Memory (KBytes)	State Memory (KBytes)	Scratch (KBytes)	Tables (KBytes)	MIPS/MCPS
TMS320C64x	46	2.5	0	3.5	3.5
TMS320C62x	52	2.5	0	3.5	3.5
TMS320C54x	12	2.5	0	3.5	7
dsPIC	19	1.7	0	3.5	7
ARM-9	20	2.5	0	3.5	22*

\* Specifications are subject to change

- 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](mailto:jp@ncoretech.com)