

## V.23 and Bell 202 SoftModem (V23 Software Modem)

Floreat's V.23 modem software implements the ITU-T V.23 recommendation and Floreat's Bell 202 SoftModem is Bell's recommendation and now it's Telcordia Technologies'. Floreat's V23 and Bell 202 SoftModem are dual channel modems with the forward channel operating at data rate of 600 and 1200 bps with symbol rates of 600 and 1200 symbols/sec respectively, and the backward channel operating at a data rate of 75 bps with a symbol rate of 75 symbols/sec. The modulation method is frequency shift keying (FSK). Floreat's V.23 SoftModem is also used in SMS applications and caller ID detection in Europe.

Floreat also provides V.22bis/ V.22, V.21 and Bell 212A, Bell 103 as well as V.32bis/ V.32, V.34, V.90 and V.92 software modem. Thus any modem software can be added for higher speed requirements.

Any Floreat SoftModem can be licensed as a module and this module can be executed as a task in an operating system in a multitasking environment or it can execute standalone with its own kernel provided by Floreat upon request.

Floreat's software modems support most of the commercial analog front ends as well as various discrete DAAs with codecs, depending upon the application. The modem software also supports the digital environment such as T1/ E1 interfaces.

Floreat also implements V.42, MNP 2-4 error correction and V.42bis, MNP5 compression protocols with its software modems.

The above listed modem software can be integrated with Floreat's other fax, telephony, speech compression, VoIP, FoIP, Imaging and Video software.

Floreat offers its software modems for various architectures; controllerless modem, hardware modem, host modem, DSP based modem, controller based modem, PC modem, RAS modem, Win Modem or USB modem. Floreat's V.22bis/ V.22 and Bell 212A software modems are supported on various DSPs and processors as well as offered in ANSI C.

### Floreat supports its software on the following DSPs, Controllers and Processors

- TI C5000 and C6000
- Intel Pentium fixed and floating point and XScale
- ADI Blackfin (BF53x), SHARC 21xxx
- ARM 7/9/9E, MIPS
- PowerPC, STM, SuperH cores, Philips Nexperia
- CEVA (formerly DSPG's licensing division)
- Ported by customers to their processors:
  - NEC
  - STM
  - Zilog

► For further information on the standard, please click [ITU Standards](#).

► For our brief profile, please click [Company Profile](#).

► For further inquiry, please send us an [Inquiry Form](#) or send an email to [info@floreatinc.com](mailto:info@floreatinc.com).