

## V.44 Data Compression modem software protocol

Floreat's V.44 data compression software implements ITU-T V.44 recommendation. The V.44 compression protocol is a new compression standard that uses a new string-matching algorithm that increases upload and download speeds to make Internet access and Web browsing faster. The V.44 call success rate is similar to V.42bis with significant compression improvement for most file types, including HTML files. V.44 applies more millions of instructions per second (MIPS) than V.42bis toward the same application data stream and yields better compression rates in almost any data stream in which V.42bis shows positive results. Automatic switching between compressed and transparent modes allows overall performance gain without loss in throughput for file streams that are not compressible.

Floreat also provides the full suite of modem software; V.92, V.90, V.34, V.32bis/ V.32, V.22bis/ V.22, V.23, V.21, Bell 212A, Bell 202 software modems.

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 and MNP2-4 error correction 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, WinModem 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).