

## V.92 SoftModem (V92 Software modem)

Floreat's V.92 software modem implements ITU-T V.92 recommendation, which is an extension of the ITU-T V.90 standard, thus providing an increase in upstream speed, faster connect time and a modem-on-hold feature.

The V.92 SoftModem employs PCM in the upstream that achieves data rates from 24Kbps to 48Kbps in steps of 1.333 Kbps as compared to the maximum upstream of 33.6 Kbps for the V.90 modem software. The downstream rate of 56 Kbps is same as for the V.90 modem.

The 'Modem on Hold' (MoH) feature allows the user to receive or make a phone call without disconnecting from the modem session for up to 15 minutes.

In addition, Quick Connect allows reduction in time to establish a connection with faster handshake to 20 seconds, which is about 50% quicker than V.90 soft modem connections. A further reduction in connection time can be achieved for the subsequent calls.

Of course, the ISP needs to support the V.92 server modem with all the above-mentioned features in order to enjoy these benefits of the V.92 modem software.

The V92 software modem can be combined with other fall back modems to support the lower speeds; V.34, V.32bis/V.32, V.22bis/ V.22, V.23, V.21 and Bell 212A, Bell 202, Bell 103. The V.8/V.8bis startup negotiation procedures are included as a standard feature.

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, 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).