



SocketModem™

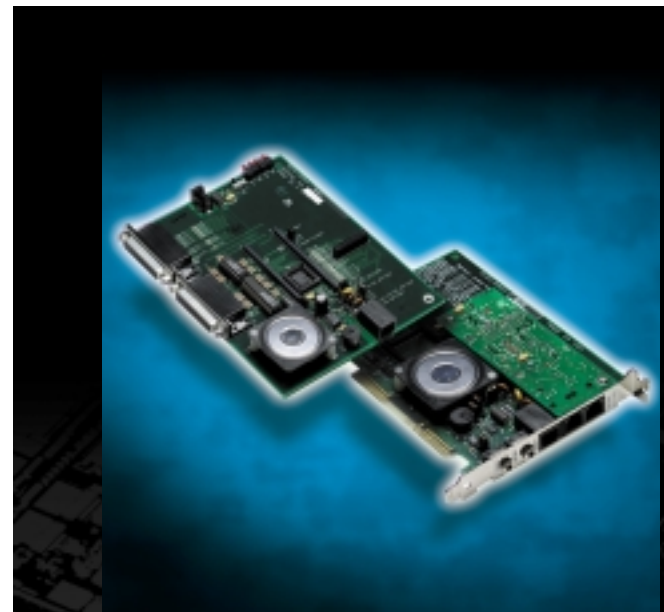
Development Tools

Conexant Simplifies Design Efforts With A Complete Set Of Development Tools

Conexant's SocketModem family of pin compatible modules allow OEMs to provide a wide range of modem functions in any end product transaction, inventory or verification terminals, vending or gaming machines, dial-up access to servers or LANs, telephony peripherals, television subscriber services boxes, remote monitoring, alarm, diagnostic, measurement or control systems, or other embedded applications.

Conexant provides SocketModem developers with a wide variety of development, evaluation, and demonstration host boards. In addition, Conexant provides DAA modules supporting the entire SocketModem product line.

These generic test platforms make it easy to demonstrate functionality and evaluate system performance for parallel and serial interface SocketModems.



Distinguishing Features

- On-board DAA
- World class options
- Pin-to-pin compatibility

SocketModem

Development Tools

Parallel ISA Boards

Conexant offers two parallel boards for demonstration and evaluation of parallel interface SocketModems. Each demo board is an ISA-bus format card, designed to operate in a PC's 8- or 16-bit card slot. The COM port presented to the PC is either a 16450- or 16550-compatible interface, depending on the SocketModem used. COM ports 1-4, and IRQs 3, 4, 5, 7 are jumper-selectable. TE28-D400-041 includes the Plug and Play feature.

- TE34-D300-001 — Used for all parallel SM and SMV Family SocketModems. Can be used for D5 SF and SFV Family
- TE28-D400-041 — Used for all parallel SF and SFV Family SocketModems

Serial Boards

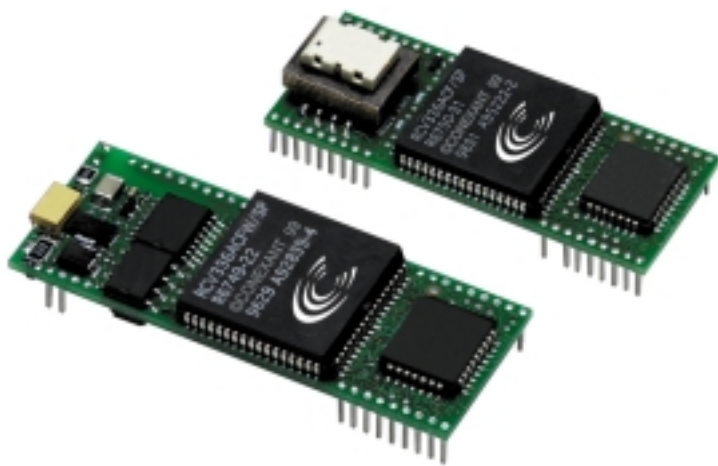
Conexant offers two serial demo boards for demonstration and evaluation of TTL serial interface SocketModems.

- TE00-D200-011 — Used for all serial SM and SMV Family SocketModems
- TE28-D500-011 — Used for all serial SF and SFV Family SocketModems

DAA Modules

Conexant offers DAA Modules for interfacing SocketModems with USA/Canadian phone systems. Each DAA Module is designed for use for V.90 and V.34 connections. They may also be used over V.32bis and lower-speed connections.

- TE34-D210-001 — Data/Fax/Voice/Caller ID DAA module, used on TE34-D300-001 and TE00-D200-011 Demo Boards
- TE28-D550-001 — Voice DAA, used on TE28-D400-041 and TE28-D500-011 Demo Boards



SocketModem Modules – SFV144ACF, SFV336ACF and SFV56ACL SocketModem with integrated DAA

What is a SocketModem?

Modems incorporate analog signal acquisition and conversion, digital signal processing, and protocol elements that must adhere to strict ITU communications standards. Conexant's SocketModems are based on our most popular modem device sets and include the required circuitry to create a compact, ready-to-use design — an attractive solution for many of today's challenging communications problems. A Conexant SocketModem is a complete solution that performs all modem functions on-board, and is ready for any challenge.

Features and Benefits:

- Interchangeable
 - Speeds from 14.4 Kbps to 56 Kbps
- Complete solution
 - Just add RJ-11 and three discrete components
- Space efficient
 - Entire modem subsystem on one 1" x 2.5" module
- Proven component layout
 - No concerns about modem performance or chip-level design
- Ideal for build-to-order
 - Populate as required
- UL1950 Ed.3 and FCC Part 15 & 68 compliant (US/Canadian models)
- CTR-21/TBR-21 approved (world class models)
 - Eases international approval process

Product Features

TE34-D300

- Parallel Demo Board hosts any parallel SM and SMV Family SocketModem
- The 32-pin PLCC PROM socket (27C010 pinout) is located under the SocketModem
- Audio output
- 20-pin DIP socket for external Data/Fax/Voice DAA Module (TE34-D210). Provides RJ-11 jack for on-board DAA interface
- Jumper selections for electret/dynamic microphone, audio output, ROM/Flash ROM, and DAA interface

TE28-D400

- Parallel Demo Board hosts any parallel SF and SFV Family SocketModem
- Speaker audio output
- 20-pin DIP socket for external Data/Fax/Voice DAA Module (TE34-D210)
- Additional 20-pin connector for AudioSpan DAA (TE28-D550)
- Provides RJ-11 jack for on-board DAA interface
- Jumper selections for comm port selection, Plug and Play, audio output, and DAA interface

TE00-D200

- Serial Demo Board hosts any serial SM and SMV Family SocketModem
- The 32-pin PLCC PROM socket (27C010 pinout) is located under the SocketModem
- Audio output
- 20-pin DIP socket for external Data/Fax/Voice DAA Module (TE34-D210)
- Provides RJ-11 jack for on-board DAA interface, on/off power switch, four LEDs (TXD, RXD, DCD, DTR), and two female DB-25 connectors
- Supports synchronous TTL Serial SocketModems
- Provides RS-232C level-shifting for TTL Serial SocketModems
- Jumper selections for audio output, ROM/Flash ROM, DAA interface
- Requires external 5VDC power supply (not included)

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TE28-D500

- Serial Demo Board hosts any serial SF and SFV Family SocketModem
- Speaker audio output
- 20-pin DIP socket for external Data/Fax/Voice DAA Module (TE34-D210)
- Additional 20-pin connector for Voice DAA (TE28-D550)
- Provides RJ-11 jack for on-board DAA interface, on/off power switch, four LEDs (TXD, RXD, DCD, DTR), and one female DB-25 connector
- Jumper selections for electret/dynamic microphone, audio output, and DAA interface
- Requires external 5VDC power supply (not included) for Data/Fax operation, or external WCEM power supply (not included) for AudioSpan operation

TE34-D210

- Data/Fax/Voice/Caller ID DAA Module provides two RJ-11 phone jacks: one for the phone line; and the other for a local handset
- The 20-pin DIP plug mates directly with the DAA socket on TE34-D300 or TE00-D200 Demo Boards

TE28-D550

- Voice DAA Module provides two RJ-11 phone jacks: one for the phone line; and the other for a local handset
- The two 20-pin DIP plugs mate directly with the DAA sockets on TE28-D400 or TE28-D500 Demo Boards

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