

TELEPHONE SPEECH MODEM 8200-3000



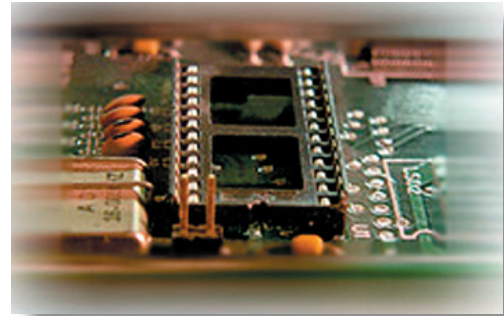
THIS OPTIONAL SPEECH MODEM PROVIDES EASY ACCESS TO DATA USING EITHER A MODEM OR STANDARD TELEPHONE (VOICE).

The modem module offers 1200 baud communications that are fully BELL- and CCITT- compatible. The modem supports both auto-answer and autodial capabilities. The 8200A/8210 can be queried for data and reprogrammed over the phone link using PCs running Sutron's PCBASE2 software.

The speech synthesizer allows ready access to data without a personal computer. A base vocabulary, designed around hydrologic and meteorological applications, is provided. Full custom vocabulary and vocabulary extensions (such as site names) are available as options. The software supports alert and warning level dial-out alarms with dead-band capability. Users have complete control over the dial-in and dial-out messages, including which parameters are reported, how messages are phrased, and number of repeats.

ORDERING

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|-------------|----------------------------|
| 8200-3000-1 | Speech/Modem Module, 8200 |
| 8200-3000-2 | Speech/Modem Module, 8200A |
| 8200-3000-3 | Speech/Modem Module, 8210 |



SPECIFICATIONS

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| Operating Temperature | -40°C to +60°C |
| Electronics | Protected to 3000 Volt (peak), 500 Joule transient phone line surges from tip to ring, tip to ground, and ring to ground. Low power standby mode. Receiver sensitivity -45dBm. Receiver dynamic range 36dBm (-9dBm to -45dBm) |
| Standard Interface | Telephone 2 wire to RJ-11 modular jack |
| Mode Capability | Full duplex over public switched telephone network (PSTN). Bell 212A (1200 pbs) and Bell 103 (300 bps). CCITT V.22 (1200 bps) and V.21 (300 bps) |
| Answer Mode | Ring detect. Auto-baud rate detection. 2225 Hz Answerback Tone. 30 second timeout if baud rate training sequence not complete |
| On-Hook/Off-Hook | On-hook call termination after auto-answer or auto-dial timeout |
| With Call Termination | 30 seconds (programmable) of data inactivity. System reset. Power-up initialization. |
| Applicable Standards | Phone Line Interface meets or exceeds the following standards: U.S. Federal Communications Commission (FCC). Rules and Regulations Part 68 Canadian Department of Communications - Standard CS-03. Electronic Industries Assoc. (EIA) Standard RS-496 |