Embedded Modem Modules

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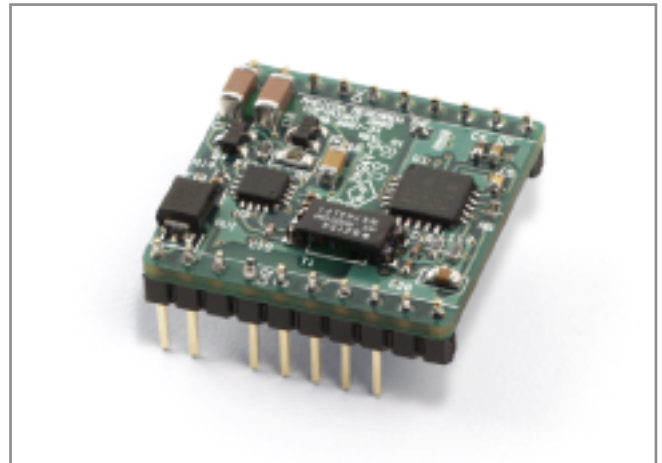**www.radi.com**

Radicom
Affordable Modem Technology

SIA Protocol & Ademco Contact ID Support PSTN Modem Module, the V92HM4-RC

This controller based modem supports Ademco's DTMF Contact ID protocol published by SIA (Security Industry Association). Utilizing standard DTMF tones, via proper AT Commands, an alarm system with the HM4 modem inside can transmit an emergency signal to a monitoring station, the station generates a Kiss-off tone telling the communicator the tone has been received. After the Kiss-off, the modem then restores the telephone line for standard voice communications.

The V92HM4-RC is ideal for use in the home and business security devices that are required to report emergency and routine coded signals to a central location. The small form factor module is built for reliability and ease of integration for designers of security data communications networks.

Measuring just 1.0" X 1.0" X 0.25", the modem has a built-in data pump, modem controller and on-board International DAA. The modem features -40°C to +85°C operating temperature. Its cost-saving line-in-use feature eliminates the need for maintaining a dedicated phone line in many applications.

The modem provides 300 bps to 56k bps data rates and up to 14.4k bps fax operation. The Voice mode provides Telephone Answering Machine capabilities such as on line voice playback, recording, and DTMF tone detection and generation. Other features include Caller ID, Modem-on-Hold, Caller waiting detection, Data/Fax/Voice call discrimination, Quick connect, and Extension pickup detection. Modem customization is available through patch code that can be stored in modems on board memory.

FEATURES:

- Size: 1" x 1" x 0.25"
- SIA Protocol and Contact ID support
- Serial TTL interface (3.3 Volt)
- Telephony / TAM Voice modes (V.253)
- DTMF tone detection and generation
- V.92 data rates from 300 bps to 56kbps
- V.29 Fast POS and V.22bis Fast Connect
- Bell 212A, and Bell 103 Standards
- Fax: V.17, V.29 Class 1/1.0 and Class 2
- Type I and Type 2 Caller ID decoding
- Type II Caller ID snooping
- Automatic Auto Answer
- Storable AT commands
- Low power consumption mode
- 63 embedded and upgradeable country profiles
- Built in NVRAM for adding customized firmware code
- Transferable FCC68 & CS-03 (Canada) certifications
- CTR21 (EU) compliance
- RoHS compliant