

# RVX-1

## DIGITAL ENCRYPTION TELEPHONE SYSTEM

The RVX-1 phone is a state-of-the-art, secure telephone system based on a powerful DSP. The phone is designed to handle conventional and secure telephone conversations. For secure voice conversations, the phone utilizes military strength digital encryption technology based on a 512 bit public key algorithm for key transactions using a random key negotiation for each call. A Triple-DES 192 bit algorithm is used for the voice encryption.



ELECTRONICS INDUSTRIES LTD.

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## PHONE FEATURES:

- Smart Speaker Phone system for superior voice quality, using sophisticated DSP based echo-canceling algorithm.
- International supporting Caller ID system.
- LCD Display.
- 100 Memories, 4 speed dial buttons + name editors.
- Last 8 numbers redial (using Up/Down keys).
- Volume control for handset and speaker phone.
- Music on hold.
- Tone/Pulse switchable.
- Rechargeable Battery support, using smart DSP based charger.
- Automatic power down activated by battery.
- Ni-MH rechargeable battery for:
  - i. Hours of continuous talk
  - ii. Backup for power failure

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## ELECTRICAL AND GENERAL:

- Battery voltage 1.8V – 4.7V typical 3.6V.
- DC supply: 12VDC, 600mA.
- Modem Sensitivity - 1mV (-57dbm on 600ohm).
- Modem Dynamic Range - 51dB.
- Start up time < 7sec for 512 bit public key.
- Fast recovery time < 0.1sec.
- Modem BER Performance: better than  $1e-6$  @ SNR of 8.1 dB
- Vocoder: 2520 bps.
- Standby battery current – 15 $\mu$ A.
- Transmitting power -10dbm on 600ohm.
- Caller ID sensitivity: 1mv (-57dbm on 600ohm).
- Caller ID Minimal SNR: 6dB.
- DTMF tones - 100mS ON / 50mS OFF,  
for regular and 50mS ON / 25mS OFF in Fast Dial.

Specifications are subject to change without prior notice.



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