

# BEEKEEPER™



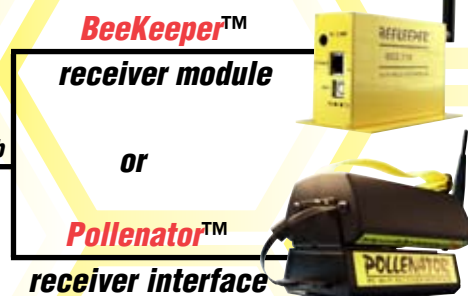
## 802.11b Wi-Fi Analysis PC Software

**BeeKeeper™** is a Windows® XP software application that graphically & textually scans, monitors and analyzes all 14 2.4 GHz 802.11b Wi-Fi networks. **BeeKeeper™** utilizes the **BeeKeeper™ Receiver Module** monitoring all 14 DSSS network channels as well as MAC, SSID, AP manufacturer, SNR, data rate and RSSI signal levels of any access point or NIC. **Yellowjacket®** users may use their 802.11b receivers with the **Pollenator™** PC interface with **BeeKeeper™** software. User selectable scanning and log settings ensure that **BeeKeeper™** will identify any unauthorized MAC and notifies the user instantly with audible and email alerts and time-stamped log file onto any desktop or laptop PC. Vital RF data is captured, logged (24/7) and may be used to identify neighboring 2.4 GHz interference, WLAN interference and even nearby client cards trying to wirelessly “hack” into the network. In addition, APs can be traced from local NICs in ad-hoc mode they are connected to allowing users to view the network transparently. Unlike NIC based analyzers, **BeeKeeper™** is a passive, network independent hardware & software package with the ability to see the “whole picture” wirelessly without being seen or detected by anyone on or off the network. **BeeKeeper™** software is controllable via any PC’s serial or ethernet port allowing RF surveys to be performed all from your desk.



**BeeKeeper™** monitors and logs continuously on any Windows® PC for both realtime and time-stamped RSSI analysis.

receive 802.11b  
via PC



**BeeKeeper™** utilizes an 802.11b calibrated receiver for dBm accurate analysis. **Yellowjacket®** users may use their receivers with **Pollenator™** to interface with **BeeKeeper™**.

## SECURITY

- ✓ Detection of ad-hoc mode for non-APs
- ✓ Detects WEP encryption & client ad-hoc mode
- ✓ Useful for SOX/DoD/GLBA/HIPAA compliance monitoring
- ✓ Detects Access Points & Network Interface Cards
- ✓ Classification of 802.11B and 802.11BG devices
- ✓ Protocol Analysis & Packet Classification for any device
- ✓ Flag unauthorized devices based on Access Control List
- ✓ Audible & e-mail alerts for unauthorized devices

## SURVEYS

- ✓ Scan & Display Devices on ALL channels
- ✓ Display Capacity of 300 Devices
- ✓ Full 2.4 GHz 802.11b Spectrum Waveform
- ✓ MAC address, SSID, Vendor, Signal Strength, Channel & SNR
- ✓ Single Channel Spectrum Waveform
- ✓ Passive Surveys with Calibrated Receiver
- ✓ Channel-Wise Signal-to-Noise Display
- ✓ Network Bandwidth Utilization for 802.11b data rates

Call us today for more information:  
1-888-737-4287 / Fax: (732) 548-3404  
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 **BERKELEY  
VARITRONICS  
SYSTEMS®**  
Clarifying RF

# BEEKEEPER®



## 802.11 Wi-Fi Analysis PC Hardware

**BANDS SUPPORTED**

ISM: 2.400-2.495 GHz

**RF SENSITIVITY (Wide Band)**

-20 to -90 dBm

**RSSI MEASUREMENT (Narrow Band)**

-30 to -90 dBm @ 343.75 kHz resolution bandwidth

**TUNING INCREMENTS**

Tunes 11 USA channels & 3 international channels

### CORRELATED POWER MEASUREMENTS:

Correlated Power (dBm)

### RATIO

-30 dBm : -100 dBm

Correlated Power to Total Power Ec/Io (dB)

0 dB : -10 dB

Total Channel Power Measurement

-20 dBm : -90 dBm

### RECEIVER GENERAL SPECIFICATIONS

IF Bandwidth:

Wideband 22 MHz

Stability:

± 2.5 PPM Temp range 32° to 120 F°

Antenna:

SMA Female 50 ohm

Controls:

Windows® software

Warm Up Time:

< 3 minutes

Weight:

3 lbs.

Dimensions:

2" H x 4" W x 6" L (water resistant, high impact aluminum case)

