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# KESTREL™ SURFACE RF LOCATOR

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**MOBILE SIGNAL INTELLIGENCE SUPPORT SYSTEM**

# THE SYSTEM

## A MOBILE SIGNAL INTELLIGENCE SUPPORT SYSTEM



### COMPLETE SYSTEM DELIVERED IN A BACKPACK

#### SYSTEM INCLUDES:

Backpack, Highly Customized - Ruggedized Microsoft Surface Book w/ Performance Base, Signal Hound BB60C SDR, KESTREL® TSCM Pro Software, 24000 mAh Multi-Function PowerBank and Kestrel® Log Periodic (KLP) TM Omni-Directional and Directional High Gain | Wideband Antenna Kit. (Required cables also included).

**System is delivered field ready!**

# THE NOTEBOOK

## A Ruggedized Microsoft Surface Book



### Microsoft Surface Book W/ Performance Base

- 1) Use As A Laptop
- 2) Remove Keyboard To Use As A Tablet
- 3) Reverse Keyboard, Attach & Use As Tablet



### CASE



# ASSEMBLED SYSTEM

## Signal Hound Attached To Ruggedized Notebook For Collection Mobility



**System Is Pre-Fabricated With Industrial Strength Velcro Strips To Secure Signal Hound To The Ruggedized Notebook During Collections.**

### *Assembly:*

1. Attach Signal Hound To Notebook
2. Attach Antenna Cable to Signal Hound
3. Connect Cables
4. Turn On Notebook
5. Initiate Kestrel Software & Set Collection Preferences

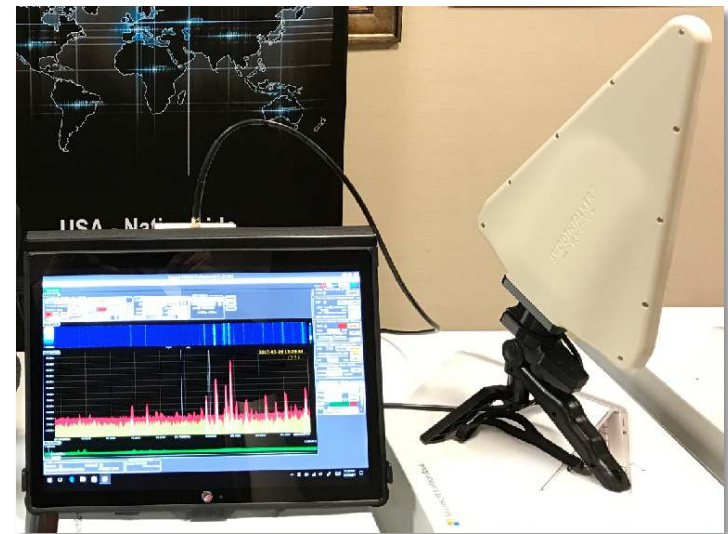
**The System Is Lightweight And Can Be Easily Hand Held During Signal Collections.**

# SYSTEM VERSATILITY

Use In Laptop or Tablet Mode



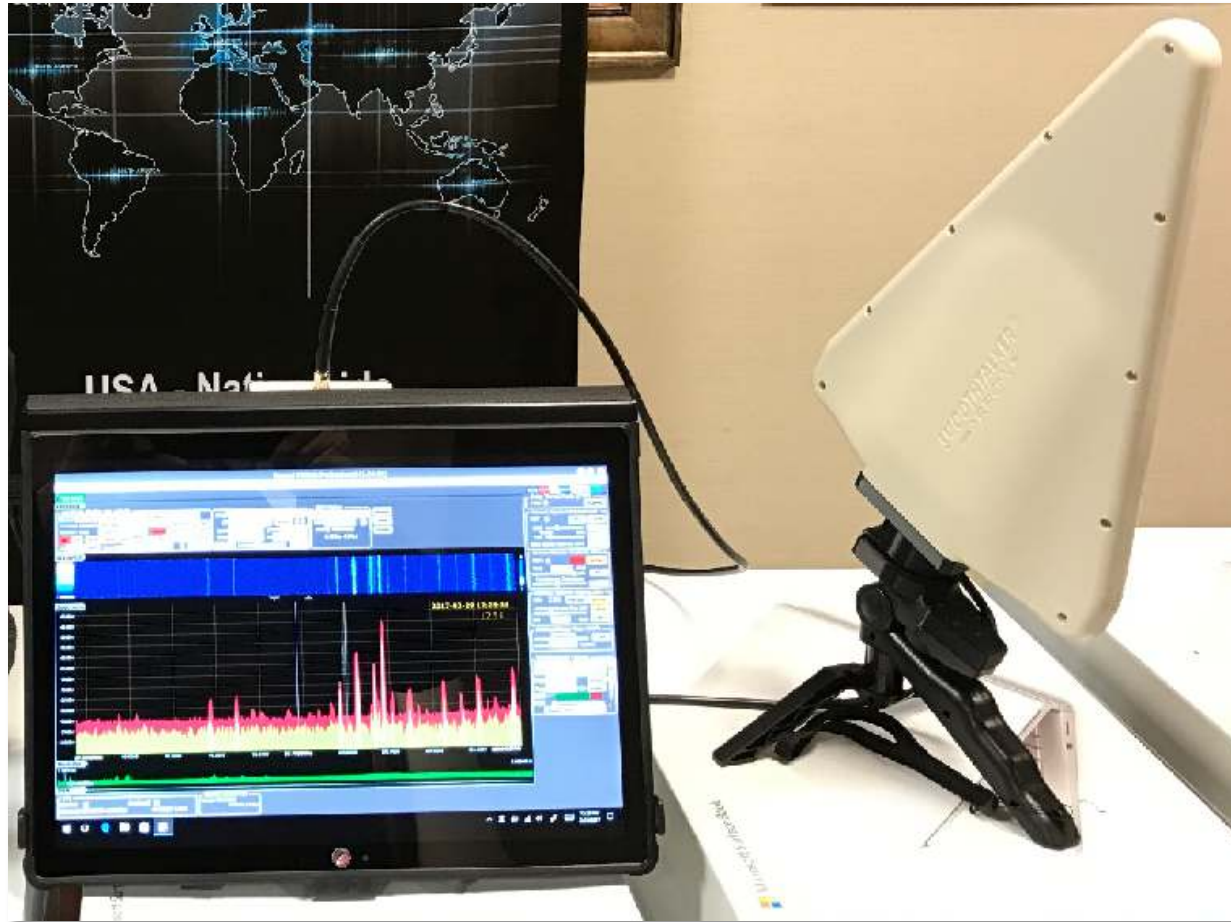
**Laptop Mode**



**Tablet Mode(s)**

Remove display, reverse and reattach to keyboard.

## Partially Open To Create Standing Tablet



While In Tablet Mode (With Keyboard Attached & Folded In/Under), Partially Open The Notepad While In Standing Position (Or Fold Flat). Use Surface Pen (Provided) To Operate Computer & Kestrel Software.

# Antenna Kit

## Kestrel® Log Periodic (KLP) TM Omni-Directional and Directional High Gain | Wideband Antenna Kit



The Kestrel Log Periodic (KLP) TM offers an exceptional | Design Frequency Range (DFR) | of 680 MHz to 6 GHz, which translates into a real-world (Rx only), Near-Field Characterization (NFC) or TSCM operational capability well below 10 MHz, and greater than 10 GHz, making it ideal for both indoor and outdoor, Radio Direction-Finding (RDF) applications, by minimizing the complexities of RF reflections and the effects of multi-path anomalies associated with strong Near-Field (NF) signal events.

### **KIT INCLUDES:**

- One Log-Periodic Antenna (LPA) TM | 1 Meter Quad Shielded RF Cable | Terminated 50 Ohm SMA (M)
- One Kestrel Vision Antenna (KVA) TM | Omni-Directional (5dBi) | Terminated 50 Ohm SMA (M)
- One Quick Connect Mechanism (QCM) TM
- One SMA (M) to SMA (M) Quad Shielded RF Extension Cable
- One SMA (F) to SMA (F) RF Adapter
- One Technical Operator Set-up and Operation Manual
- One Soft Storage Pouch

# EXTENDED POWER SUPPLY

## 24000 mAh Multi-Functional PowerBank

### FEATURES:



- Fast and efficient charging - it can charge up to 3-USB devices at once, as well as a laptop.
- Portable A/C power bank - has powerful 24000 milliamps/hour charging capacity to quickly charge all devices.
- High-end power bank - the first laptop power bank, with customized universal charging adapter and A/C output.
- Compact size - its small size (7.3 x 5.1 x 1.2) makes it ideal for portability and it weighs a mere 624 g, so it can easily be carried or stashed somewhere.
- Safe charging - constructed with premium materials, the unit has electronic overload protection, low battery voltage shutdown, and temperature protection. ROHS, CE&FCC Certified, made of Heat-Resistant ABS, built in high-quality PVC Copper wire, Premium Circuitry with over-heated, over-charging protection and short circuits. More security features electronic overload protection, Low-battery voltage shutdown, Standby time off, Charging timing/temperature protection and more.



# TECHNICAL SPECIFICATIONS

## Microsoft Surface Book With Performance Base

### Software

Windows 10 Pro • Office 365 30-day trial

### Exterior

Casing: Magnesium • Color: Silver • Physical buttons: Volume, Power. (Supplied in ruggedized configuration to meet MIL STD 810G-516.6 Drop Test.)

### Dimensions

Laptop: 9.14 x 12.30 x 0.51- 0.90 in ( 232.1 x 312.3 x 13 -22.8 mm)

Clipboard: 8.67 x 12.30 x 0.30 in (220.2 x 312.3 x 7.7 mm)

### Weight

3.63 pounds (1647 grams)

### Storage<sup>3</sup>

Solid-state drive (SSD) options: 1TB

### Display

Screen: 13.5" Pixel Sense display • Resolution: 3000 x 2000 (267 PPI) • Aspect ratio: 3:2 • Touch: 10 point multi-touch

### Battery Life

Up to 16 hours of video playback, Up to 2.0 hours of battery running Kestrel TSCM Pro, recharge capability w/external battery power bank.

### Processor

6th Gen Intel Core i7

### Graphics

i7: NVIDIA GeForce GTX 965M 2GB GDDR5 memory

### Security

TPM chip for enterprise security

## Microsoft Surface Book With Performance Base

### Memory

16GB RAM

### Wireless

802.11ac Wi-Fi wireless networking; IEEE 802.11a/b/g/n compatible. Bluetooth 4.0 wireless technology

### Ports

Two full-size USB 3.0

Full-size SD card reader

Surface Connect

Headset jack

Mini Display Port

### Cameras, video and audio

Windows Hello face sign-in camera (front-facing)

5.0MP front-facing camera with 1080p HD video

8.0MP rear-facing autofocus camera with 1080p HD video

Stereo microphones

Stereo speakers with Dolby audio Audio Premium

### Sensors

Ambient light sensor • Accelerometer • Gyroscope • Magnetometer

### Warranty

1-year Limited Manufacturer's Warranty

Includes: Surface Book, Surface Pen, Power Supply, Quick Start Guide and Safety & Warranty Documents.

# ORDERING INFORMATION

**COMSEC PART NUMBER “KSRFL”**

To order the Kestrel Surface RF Locator Kit, please request a quote via email to [lml@comsecllc.com](mailto:lml@comsecllc.com)

Include the following information in your request:

- 1) The order quantity.
- 2) Required delivery date.
- 3) Company/Agency name and address.
- 4) Point of contact's name, email address and phone number.

**If you have any questions, please call (800) 615-0392.**