

## SmartGuard™ Weapons Inventory Management System



**SmartGuard™ Weapons Inventory Management System** (WIMS) from LEID Products is a weapons or other sensitive asset tracking system utilizing a patented leading edge RFID tracking device, and LEID's BACS™ (Biometric Access Control System) software integrated into user friendly management system.

Weapon and other asset inventory are tracked with uniquely designed RFID tags affixed within the Picatinny rail mounting system. The RFID tag's compact design and ability to be used in metallic or polymer rail systems gives our product the flexibility to fit many customer's needs.

The weapons inventory tracking is accessible through the BACS™ software. BACS is a proven inventory control and asset management system used to secure and track critical inventory.

LEID Products is backed by the engineering and organizational strength as a division of Patti Engineering, Inc. Patti Engineering is a leading supplier of innovative automation and process improvement services for manufacturing.



**SmartGuard™**  
SECURE ASSET CONTROL

powered by





**WIMS Handheld  
RFID Reader**

## VALUE PROPOSITION

If you are still manually tracking your weapon inventory, it may be time to automate your system using RFID technology.

### Increased efficiency and traceability

- Through the BACS system weapon issue and return tracking is automated
- Authorized users can be grouped to further automate the asset control process
- Administrators can see inventory usage and identify maintenance requirements

### Equipment modularity

- RFID tags fill a single slot of the Picatinny rail
- Patented low profile tag design for minimal impact on Picatinny attachments such as lasers or flashlights

### Equipment flexibility

- WIMS RFID tags fit into any Picatinny or Picatinny style rail system commonly found on rifles, pistols, and shotguns.
- WIMS RFID tags work with both polymer and metallic rail systems.



### Improved accountability

- Modern chain of custody tracking
- RFID tracking can provide accurate inventory reports
- RFID tags can be press fit into the Picatinny rail for a tamper resistant design

## OVERVIEW

### Software technology

Developed, tested, and validated with in-house engineering staff.

### Control systems integration

Expertise in various technologies including LCD, keypad, card readers, RFID, barcode, and biometrics.

### Access control options

Employee badge/card RFID reading or password login options.

### RFID tracking

Allows for fast and efficient inventory control that can generate reports and inventory status at a glance.

## TECHNICAL SPECIFICATIONS

**WIMS Handheld RFID Reader** (for removal or return from inventory)

### • FEATURES

- **Tablet with touch-screen operation**
  - Lithium Battery with 3-5 hours of active screen time and 5000mAh capacity
  - 64GB of built-in storage
- **Optional dual frequency badge reader**
  - 125 kHz
    - > Supports HID® Prox, Indala®, EM 410x, AWID, CASI-RUSCO, and Kantech ioProx card formats
  - 13.56 MHz
    - > Supports HID iCLASS SE, HID iCLASS Seos™ PAC, HID iCLASS, ISO 14443A, ISO 14443B, ISO 15693, NFC 1 (Topaz), FeliCa (NFC 3), CEPAS, MIFARE®, and MIFARE® DESFire® card formats
- **Integrated Asset RFID Reader**
  - 860Mhz – 928Mhz
    - > Supports ISO 18000-6C (UHF) tags and LEID Picatinny SmartGuard tags
- **Ruggedized construction**
- **ACCESS CONTROL**
  - **User password login**
  - **Options:**
    - Key fob login
    - Employee badge / ID card login
- **SOFTWARE**
  - **Powered by the BACS™ Tracking Software**
  - **Windows-based operating system**

### • CONNECTIVITY

- **Wi-Fi**
  - 802.11 (a/b/g/n/ac)
  - 2.4 GHz and 5 GHz
- **USB**
  - 1x USB 3.0
  - 1x USB-C (charging)

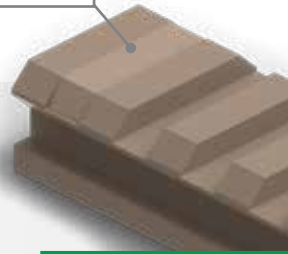
### • OPERATING CONDITIONS

- **Working Temperature:** -10°C to 50°C
- **Storage Temperature:** -20°C to 60°C
- **Humidity:** 95% Non-condensing

### • Support

- **Modular components for easy replacement**
- **Remote support for system troubleshooting (requires internet access)**

SmartGuard™ Firearm Identification Tag on rail



SmartGuard™ Firearm Identification Tag

### • COLORS

- Black (standard)
- Olive Green
- Desert Tan
- Gray

### • SIZE

- **Length:** 0.813 in (20.65 mm)
- **Width:** 0.206 in (5.23 mm)
- **Height:** 0.118 in (3.00 mm)

### • OPERATING CONDITIONS

- **Working Temperature:** -30°C to +85°C
- **Storage Temperature:** -40°C to +150°C
- **Shock Rating:** 6ft (2m) to concrete/granite
- **Ingress Rating:** IP68
- **Vibration Rating:** MIL-STD-810G

### • UNDERLYING TECHNOLOGY

- ISO 18000-6C (UHF)
- 860Mhz – 928Mhz Global Variant

### • Performance Characteristics

- **Works on composite or metal bodied firearms**
- **Typical Ready Range:** 2" – 6" (5.08 cm – 15.24 cm)

## DIFFERENTIATORS

- WIMS Asset tracking technology holds a US Patent (10,830,548)
- Customer service, warranty calls and issues managed by engineering staff with experience at the International, Federal, US Military, State and local level.
- In-house, experienced engineering team available 24/7 for emergency support
- Flexible, customized, proven inventory control and asset management solutions fielded throughout CONUS and OCONUS
- Wide range of application experience securing and tracking critical inventory
- BACS™ systems rely on sophisticated technology and detailed engineering to provide the highest level of secure management and tracking of assets



**SmartGuard™**  
**SECURE ASSET CONTROL**

2110 East Walton Blvd., Suite F, Auburn Hills, MI 48326  
(888) 884.LEID (5343) • fax (248) 364.3371 • [SecureAssetControl.com](http://SecureAssetControl.com)

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