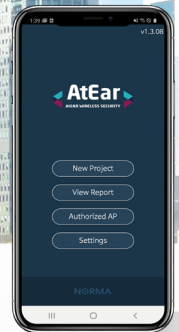# AtEar

AtEAR WIRELESS SECURITY

INTEGRATED SECURITY SOLUTION FOR WIRELESS NETWORK

This is a mobile wireless security inspection solution against the latest security threats to the wireless devices

AtEar Pro · AtEar Mobile

NORMA

ATEAR SERVICE

AtEar solution aims at providing a safe wireless environment
by systematically analyzing the status of various wireless devices
widely distributed in SME, CORPORATE, and GOVERNMENT
and detecting the hacking threats taking place in wireless networks.

Anytime   **Anywhere**   **Accurate**

AtEar offers the wireless device scanning
and the security status management **anytime** and **anywhere**.

Accurate detection

*By the optimized scanning wireless
device security threats can be
detected swiftly.*

Automated ethical hacking

*Treatment and analysis of vulnerabilities
in wireless devices by using an
automated ethical hacking function.*

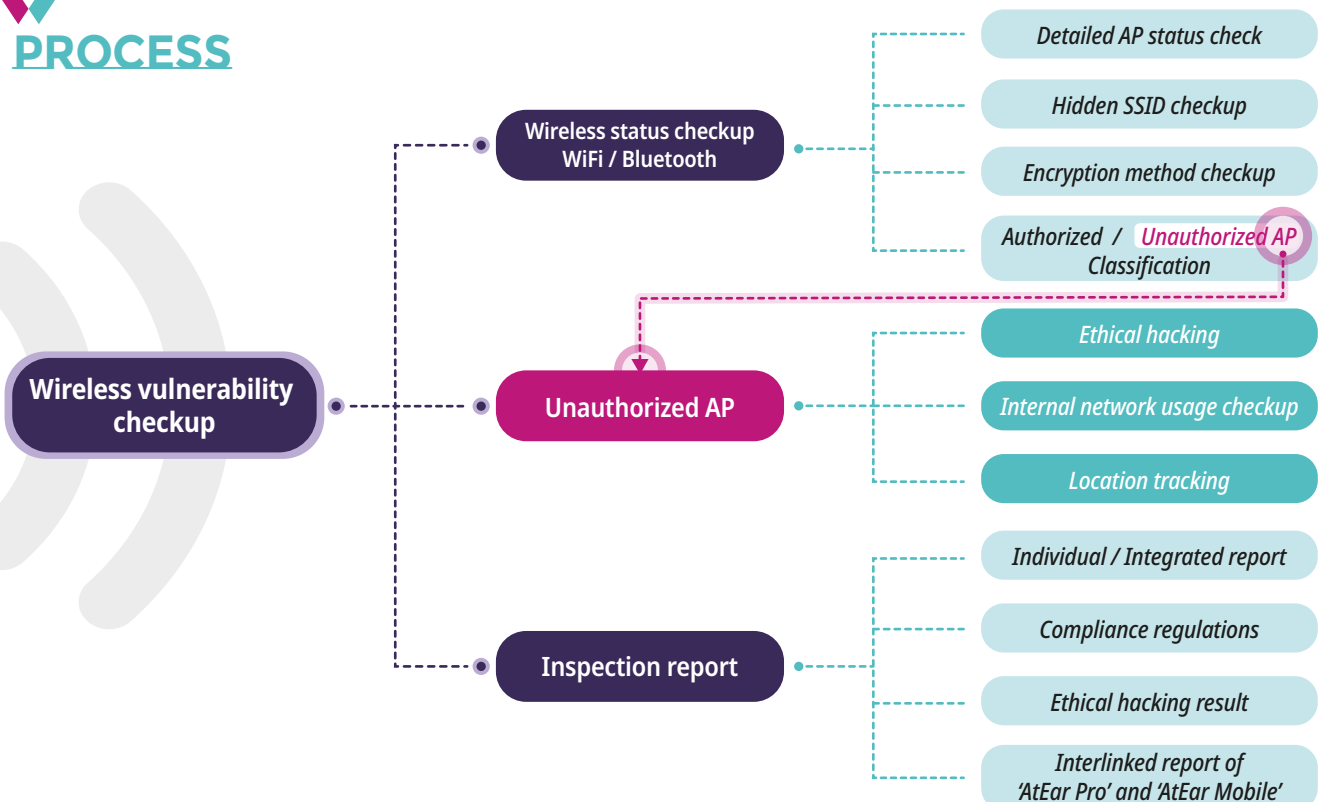## Full support of Wi-Fi 6 and Bluetooth detection

Wi-Fi 6   **Bluetooth 5**

*Management of unauthorized
wireless devices with Wi-Fi 6 and
Bluetooth detection.*

PROCESS

Wireless vulnerability checkup

- **Wireless status checkup WiFi / Bluetooth**
  - *Detailed AP status check*
  - *Hidden SSID checkup*
  - *Encryption method checkup*
  - *Authorized / Unauthorized AP Classification*

- **Unauthorized AP**
  - *Ethical hacking*
  - *Internal network usage checkup*
  - *Location tracking*

- **Inspection report**
  - *Individual / Integrated report*
  - *Compliance regulations*
  - *Ethical hacking result*
  - *Interlinked report of 'AtEar Pro' and 'AtEar Mobile'*

KEY FEATURES

1. Wireless device scan, threat detection

- **Wireless device type identification**
  - Physical AP
  - Arbitrarily manipulated AP
- **Dual scanning simultaneously**

  Wi-Fi & **Bluetooth**

Scans wireless devices to identify types and detects device vulnerability threats by using WIDS function

2. Wireless device management

Unauthorized / Illegal Device

Authorized AP

Authorized

List of authorization
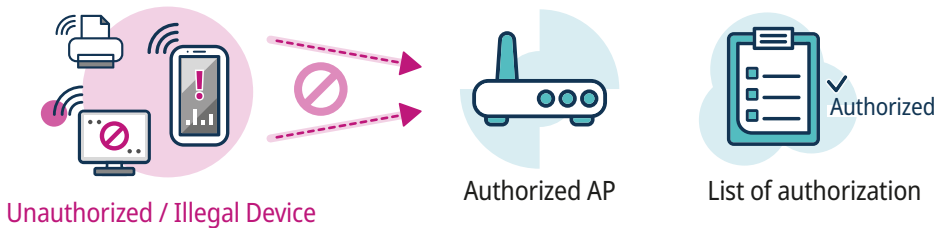
By registering and listing up the wireless device assets with due authorization, the external and unauthorized APs can be discriminated.

3. Hidden SSID detection

Probe request

AtEar

Probe response

Client

Hidden SSID

Detection and acquisition of AP's SSID, using the Hidden SSID

4. Ethical hacking function

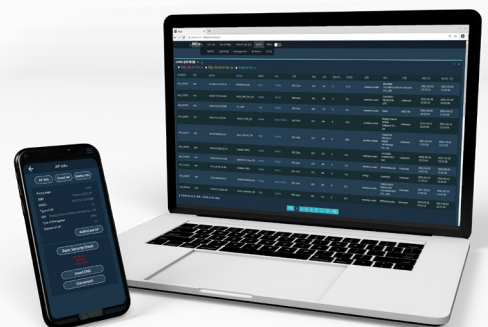| Block | Auto Key Cracking | WPS Cracking | MITM | Packet Dump |

Treatment and analysis of vulnerabilities in wireless devices by using an ethical hacking function

5. Provision of statistics and inspection report
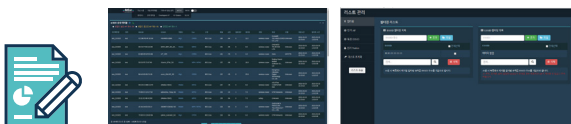
Provision of statistics and inspection report according to wireless protocol and device classification.

SPECIFICATION

AtEar supports flexible use according to wireless environment and compliance.

Wireless standard

- Wi-Fi 6 (IEEE 802.11 a/b/g/n/ac/ax) detection
- 802.11 w (PMF) detection
- Dual band (2.4GHz, 5GHz) detection
- Bluetooth 5 detection

Wireless Management

- Wireless device status and detailed information
- Provides country-specific policies based on ISO27001
- SSID multi-language support, hidden SSID detection
- Wireless device location tracking (AtEar@Mobile)

Ethical hacking

- Auto Key Cracking
- MITM
- Packet Dump
- Block
- WPS Cracking

System

- Dashboard provision based on wireless scanning results
- Report provision based on compliance
- Fake AP creation function
- WIDS function

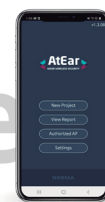- The recommended specifications for stable use of AtEar are as follows.

AtEar Pro

Wi - Fi Adapter

CPU	Intel Core i5 or above
RAM	8GB DDR3 or DDR4
HDD	256GB SSD or above
OS	Linux Mint 19.3 or above
OS language	English
Languages supported	Korean, English, Chinese, Spanish, Portuguese

Mobile

Android 10 or above
Korean, English, Chinese, Japanese

EXPECTED BENEFITS

Wireless security and easy management

- *Securing the visibility of AP and Station*

Security verification of wireless infrastructure

- *Encryption and stability verification of wireless systems*

Compliance with wireless security regulation

- *Compliance with laws and regulations based on important policies*