SEA 3809M
WLAN/Bluetooth Scanner

Specially developed for and with European security authorities

- Security in the IT environment, digital surveillance
- Court-proof protection of digital radio traces
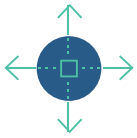- Active and passive data acquisition, live analysis and localization of end devices

IMSI - Catcher Function

The all-in-one toolbox for detecting, analyzing and monitoring Wi-Fi and Bluetooth networks

Scan me for more

Applications

- Detection, localization, and analysis of Wi-Fi networks and Bluetooth devices

- Monitoring and localization of a target person using data from their Wi-Fi and Bluetooth devices

- Investigation of locations, e.g., crime scene forensics or preparation of house searches

- Locating smart devices and tags

- Malfunction and interruption of Wi-Fi connections such as cameras, etc.

- Recording of Wi-Fi communication of individual end devices
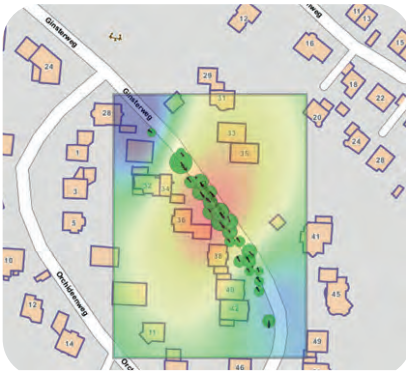
Heat map for localizing
of access points
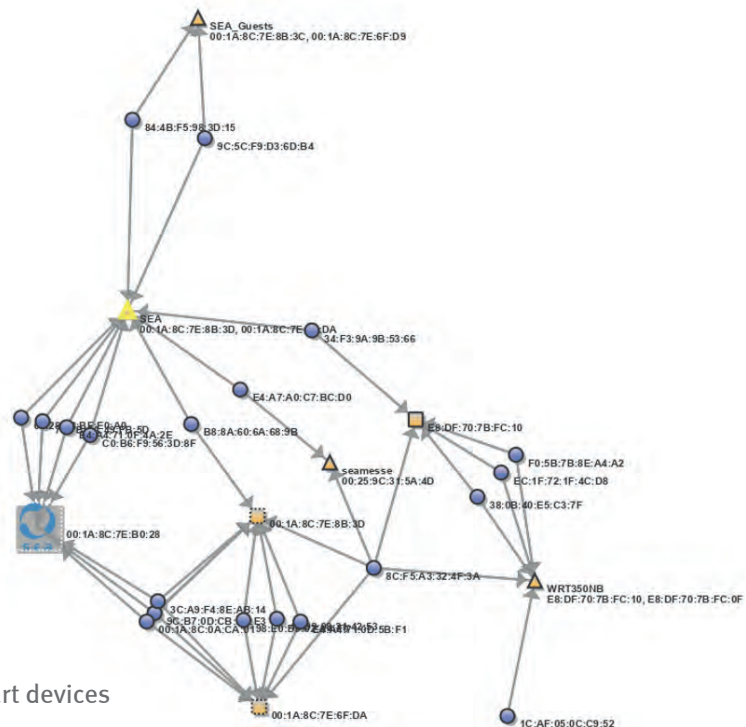
Relationship network
between different smart devices

Functions

- Fast detection of Wi-Fi and Bluetooth MAC addresses

- Evaluation of intersections between recorded MAC addresses

- Assignment of identities and provision of whitelists/blacklists

- Data visualization in topographic maps and localization via heat map functions

- Sequential Wi-Fi jamming via active De-Auth function

- Alerting by e-mail or SMS for definable events

- Integrated Wi-Fi access point with IMSI catcher function

- Automatic data upload and remote access via data modem

- PCAP recording for deep package analysis

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Portable all-in-one system

The SEA 3809M WLAN and Bluetooth scanner reliably detects the signaling information from access points, smartphones, or tablets and other smart devices. This information is saved with the respective GPS measurement position. Highly sensitive HF sensors reliably detect even weak signal levels.

Specific features

- Four highly sensitive Wi-Fi sensors with integrated preamplifier for 2.4 / 5 and 6 GHz
- Separate Wi-Fi sensor with external antenna connection
- Four Bluetooth sensors for Bluetooth Classic and BLE (active / passive)
- Integrated Wi-Fi access point with IMSI catcher function
- GNSS receiver for GPS, Galileo, GLONASS and Beidou
- 4G data modem for remote access, alarming and data upload
- Graphic display and web interface for device status information
- Redundant 2 x 45 Wh battery power supply for autonomous operation of at least 4 hours
- System encryption to protect against unauthorized access

Technical data

Technical data			
RF sensors	Wi-Fi 2.4 and 5 GHz (internal)	3	
	Wi-Fi 2,4 and 5 GHz (external)	1	Port: TNC (f)
	Wi-Fi 2,4 / 5 and 6 GHz (internal)	1	
	Bluetooth	2+2	BT 2.X and BLE 5.x
GNSS receiver	Simultaneous dual-band L1/L5 reception of the standards: GPS L1 and L5 / GLONASS / Galileo / Beidou	Internal External	Port: TNC (f)
Data modem	4G		
Power supply	Battery modules á 45 Wh External power supply		110...230V/AC 11...32 V/DC
USB ports	USB (Type A)	1	
Temperature range	Operation		-10 to +55°C
Size (LxWxH) Weight	Battery included		310 x 280 x 150 mm ca. 6.5 kg

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SpaceMasterGEO software platform

We offer you our specially developed software platform SpaceMasterGEO for evaluating mobile radio data. It supports you in efficiently managing your data, visualizing it with the help of topographical maps or, in the case of Wi-Fi and Bluetooth data, analyzing possible relationships between different devices or users.

Comprehensive compatibility

Support for all common mobile technologies, including Wi-Fi, Bluetooth, 2G, 3G, 4G, 5G, NB-IoT and LTE-M.

Visualization

The data is clearly visualized on maps, including intersection and overlap areas, heat maps and more.

Filter, report and export functions

SpaceMasterGEO offers advanced features to filter your data according to your needs, create meaningful reports and export data for different mobile technologies.

Fast access to large volumes of data

Easily process large amounts of data to display the mobile coverage of entire cities, regions, and countries. The data can also be visualized in the browser on various end devices via a web server extension.