

GERGEDAN

COMPACT COMMUNICATION
ELECTRONIC ATTACK SYSTEM

#ElectronicWarfare



aselsan

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COMPACT COMMUNICATION ELECTRONIC ATTACK SYSTEM

GERGEDAN is developed for Electronic Attack (EA) operations against target communications on radios and mobile phones. In addition to communications, system provides protection against mini/micro UAVs by GNSS, jamming data link, telemetry and command&control frequencies. It provides protection for military facilities/bases, government institution buildings, residence of senior officials, public events and check points.

GERGEDAN is a target-specific programmable "Software Defined Jammer System". Authorized Users are able to create target-specific jamming profiles by defining multiple sub-bands/channels via rugged laptop. Jamming parameters are adjustable separately for each defined jamming sub-band/channel. Selection of the jamming modes can be easily made at the operator level within pre-loaded jamming modes.

System could be configured with directional and omni-directional antennas according to operational needs.

System can provide a dynamic communication channel for friendly force according to operational needs.

GERGEDAN has a modular structure and is designed in accordance with military standards. Sub-systems are accessible and could be easily servicable.

GERGEDAN can be powered via by mains supply, generator and/or Li-Ion battery.

Technical Specifications

- Frequency Range: VHF, UHF and SHF (Partial)
- Software Defined Jammer System
- Compact Design
- Covered Threat Set:
 - Radios and Mobile Phones (2G, 3G, 4G)
 - Mini/Micro UAV Command&Control Frequencies GNSS Frequencies
 - Data Link ve Telemetry Frequency Bands
- Jamming Method: DDS-Based FPGA-Controlled Scanning
- Jamming Types: Single, Multiple, Barrage, Preset Jamming Lists/ Modes
- Antenna Types: Directional and Omni-Directional
- Working Durations:
 - Li-Ion Battery: 1 Hour
 - Mains Supply: Unlimited
- Electric Field (SAR): Compatible with the ICNIRP Standards
- Built-in-test (BIT)
- MİRKET Receiver (Optional): When GERGEDAN is operated along with MİRKET receiver, additional capabilities are:
 - Look-Through Jamming Mode
 - Mini/Micro UAV Detection and Identification



Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.

REHİS - GERGEDAN - 12.2024