



## GEW® GMJ900

### Specialised jamming system

The GEW® GMJ900 specialised jammer system is specifically designed to counter new-generation targets, such as cellular networks, satellite phones, commercial drones, WiFi and spread-spectrum signals. Utilising specially designed waveforms and algorithms, in combination with high-power, multiband power amplifiers, excellent target-signal suppression is achieved. The GMJ900 is optimised to jam multiple radio links simultaneously and can be quickly and easily adapted to meet the unique requirements of the operating scenario.

- Flexible, software-definable jammer system
- Includes new algorithms and power amplifier options to cover the full spectrum of targets
- Effective against new-generation communication links
- Multiband operation with high-power and directional antennas
- Field-proven performance

**Hensoldt South Africa**

**HENSOLDT**  
Detect and Protect

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## Specialised jamming system

Meeting the challenge set by modern mobile communications systems, the GEW® GMJ900 mobile jammer utilises the latest RF and digital signal synthesis technology to achieve outstanding suppression of mobile networks and other targeted mobile communications devices.

The GMJ900 features up to 6 independent high-power jamming bands that cover the spectrum occupied by modern cellular networks and satellite phones. Each jammer band has a dedicated high-power, high-gain directional antenna that can be rotated to align the antennas with a target-area of interest where communications need to be suppressed. Other antenna options can be reviewed with each individual client to best meet their operational requirements.

To further maximise the long-range performance of the GMJ900 against cellular networks, a built-in receiver can be used to characterise the cellular networks in the operational area. This allows the system to automatically optimise its jamming waveforms to match the target area. Wideband barrage wave options are also available for operations in dense urban areas where rapid deployment without network characterisation is required.

Ideal for modern, signal-dense scenarios, the system's sophisticated algorithms allow each band to jam multiple radio links simultaneously. The GMJ900 is fully software controlled, which means that the jammer waveforms can be quickly and easily adapted to meet the requirements of the target environment.

### MAIN SPECIFICATIONS

Frequency range and transmitter output per band	1 x 100 to 500 MHz, 200 W (option) 2 x 500 to 2500 MHz, 150 W 2 x 700 to 2700 MHz, 150 W 1 x 2400 to 6000 MHz, 80 W (option)
RF power output	600 W to 800 W total RF power 4 to 6 independent jamming bands
RF signal generation technology	Direct digital synthesis
Jamming modes	Software-configurable
Antennas	4 to 6 high gain directional antennas (other antenna configurations can be customised according to client needs)
Programming/Data interface	LAN
Power supply	18 - 32 VDC (External AC supplies can be provided for AC installations)
Environmental specifications	MIL-STD-810-F
Temperature range (operating)	-10°C to +55°C
Temperature range (storage)	-40°C to +85°C
Size	Up to 21 U rack-mounted configuration, depending on client requirements
Weight (including vibration mounts)	< 100 kg

### FEATURES

- › Vehicle-mounted system for jamming multiple threats, including cellular networks and satellite phones
- › Each jammer band has the ability to jam multiple threats simultaneously
- › High power to ensure maximum range
- › Easily programmable
- › LAN interface for easy tasking and monitoring of the system
- › Remote monitoring station for the control of the system and the display of the equipment health and status
- › Built-in test and diagnostic features
- › Active antenna VSWR monitoring and protection
- › Modular construction for easy maintenance

### WHO WE ARE

As HENSOLDT South Africa's spectrum dominance business unit, we provide clients with premium solutions to detect and protect in contemporary defence and civil environments. On land, at sea or in the air, our **electronic warfare, spectrum monitoring and security solutions** offer tactical and strategic superiority.

HENSOLDT SA's GEW® range of products and systems are rooted in a long lineage that spans more than 50 years of innovation.