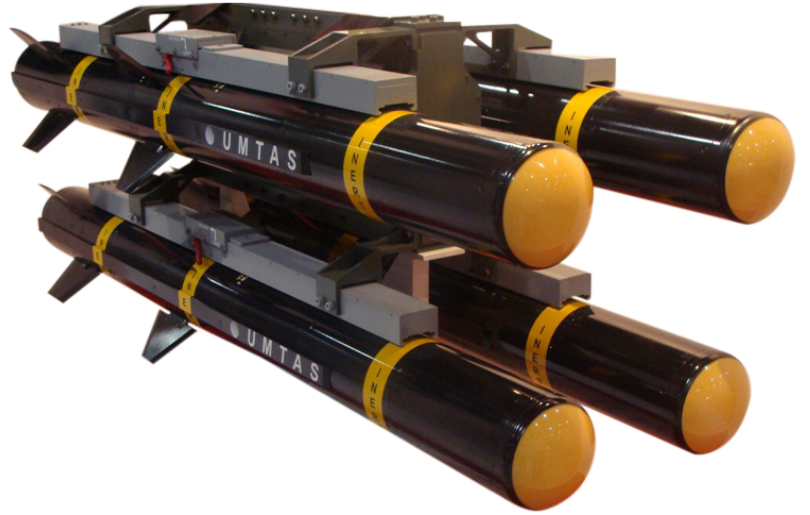




10-W, 10-LNC

ANTI-TANK MISSILE RF DATA LINK

#MilitaryCommunication



aselsan



10-W, 10-LNC

ANTI-TANK MISSILE RF DATA LINK

GÜDÜ Anti-Tank Missile RF Data Link, which is developed under Long Range Antitank Missile System Program, performs point-to-point duplex digital communication that transmits video data generated by seeker camera to the user in near-real time and transmits the user commands (target marking, target locking, seeker gimbal movement) back to the missile by using its receiver, transmitter and antennas.

Intended use of GÜDÜ Anti-Tank Missile RF Data Link is to improve command and control capabilities of the missile as part of “fire and update” concept and to transmit continuous and up-to-date target and target destruction data to the user.

Technology

GÜDÜ Anti-Tank Missile RF Data Link is the unique national design that performs digital signal processing, analog-to-digital and digital-to-analog conversion, digital modulation, noise and jammer immunity, pre-flight frequency spectrum scan, high-speed data transmission by means of its directional antennas, high-speed FPGA and microprocessors.

General Specifications

- Point-to-point duplex communication
- LOS communication ranges up to 10 km
- Missile-to-launcher video data transmission (Downlink)
- Launcher-to-missile command and control data transmission (Uplink)
- Electronic Counter-Countermeasure (TRANSEC)
- Build-in-Test

Technical Specifications

RF and Control Unit

- LOS Ranges Up To : 10 km
- Supply Voltage : 24-32 VDC
- Operating Temperature : between -35°C and +60°C
- Operating Altitude : -1.000 ft to 15.000 ft
- Environmental Conditions : MIL-STD-810F
- EMI/EMC : MIL-STD-461E

Physical Specifications

RF and Control Unit

- Dimensions : 145 mm (diameter), 25 mm (thickness)
- Weight : < 350 gr

On Missile RF Data Link Antenna

- Directional wraparound antenna compatible with the aerodynamic structure of missile.
- Dimensions : 145mm (diameter), 92 mm (length), 50 mm (connector included thickness)
- Weight : < 500 gr

On Launcher RF Data Link Antenna

- Directional antenna on the launcher
- Dimensions : 140mm x 135mm x 25mm
- Weight : < 300 gr

