



TERMINAL NETWORK SYSTEM

#MilitaryCommunication



aselsan



TERMINAL NETWORK SYSTEM

T-Link LOS-A is the Airborne Tactical Data Link Terminal designed to fulfill tactical communication needs in the operational field. T-Link Terminal Network System consists of 4 different types of terminals for airborne, ground, naval and missile platforms. T-Link LOS-A, is designed to be integrated on airborne platforms, thus enabling tactical information exchange with the T-Link Terminal Network.

Technology

T-Link Terminal Network System including T-Link LOS-A provides encrypted and electronic warfare resistant, network-based tactical data communication among network participants. T-Link LOS-A also provides TACAN capabilities for airborne platforms.

General Specifications

- Electronic warfare & detection resistant
- High speed frequency hopping
- TACAN (Air to Air & Air to Ground) Capability
- Wireless network based & multiple participant support
- Long range communication based on omnidirectional antennas
- Encrypted Communication with Plug-in Crypto Unit
- Communication security support (COMSEC and TRANSEC)
- High speed tactical data transfer
- Supports multiple sub-networks within same territory without interference
- Relay capability
- Complying the message catalog that fulfills the tactical information exchange requirements of the joint operation
- Secure voice communication capability
- Free text message capability
- Flexible and improvable software defined radio architecture allows updates with respect to changing operational needs

Technical Specifications

- | | |
|------------------------------|-------------------------------|
| • Operating Frequency | : L-Band |
| • RF Output Power (Peak) | : 200 W |
| • Power Interface | : 115 VAC |
| • Data Rate | : 1 Mbps |
| • Operating Temperatures | : - 40°C to +71°C |
| • Shock, Vibration, Humidity | : MIL STD 810 |
| • EMI/EMC | : MIL STD 461 |
| • Antenna Interface | : 2 antenna, TX or RX in sync |
| • TACAN Capability | : Yes |
| • Digital Audio Capability | : Yes |

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