ALITER TECHNOLOGIES

AT60501 Tactical Laser Communicator

A new standard in secure optical communication



Low probability of detection

Point-to-point link support

Simple operation

High-speed, rugged and hard-to-detect laser communication in a single tactical unit. Designed for secure data transmission between mobile units, command posts and platforms with zero RF emissions.

AT60501_11_2026

Key features of laser communication

- high data rate up to 8-64 Mb/s (full duplex)
- resistance to jamming and electronic warfare (no RF emissions)
- hardware-level data encryption
- fast link establishment

Upcoming functionalities

- communication interface modification to Ethernet
- increased data rate
- support for optical mesh networks
- MIL-STD compliance



Applications

- communication networks of rapidly deployable and highly mobile tactical units
- secure links between command posts and logistics nodes
- operation in jamming and electronic warfare environments

Specifications

Basic parameters

- text message exchange up to a distance of 1.2 km
- direction setting using binoculars and a red navigation point
- connection to PC via USB port

Device interfaces

- 1x USB 2.0 or USB 3.0 for connecting the communication interface (laptop/mobile)
- 1 x power adapter

Physical characteristics and ruggedness

- dimensions and weight: 235 x 115 x 55 mm (L x W x H), 1.2 kg
- power supply: 5 V DC from the supplied power adapter or USB 5 V
- operating temperature range: -32 °C to +49 °C

ALITER TECHNOLOGIES

Mail: aliter@aliter.com | Web: www.aliter.com

Information about the product is for general information only. Aliter Technologies, a.s. reserves the right to change the specification of this product without notice.