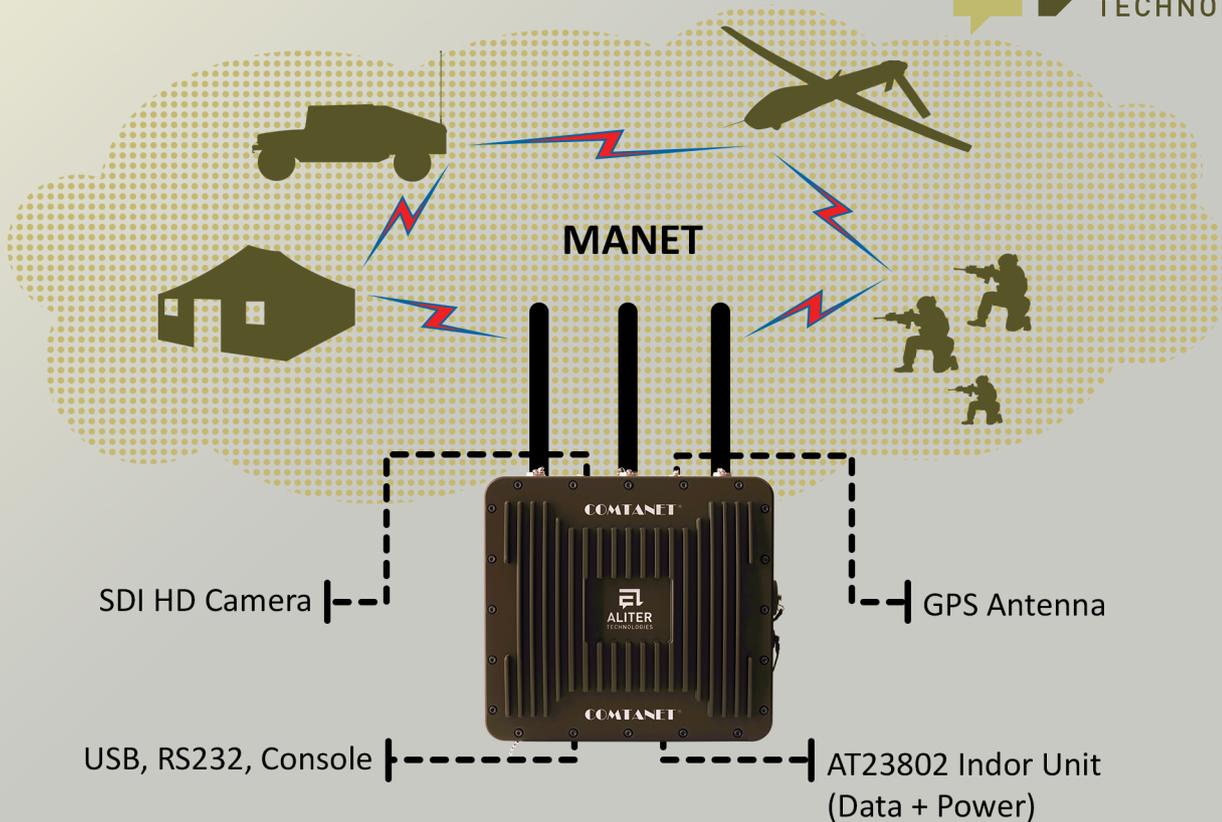




AT23702

# MANET IP RADIO

# HIGH SPEED TACTICAL RADIO COMMUNICATIONS



AT23702 MANET IP RADIO – INTERFACES

## Usage

- to increase the common operational picture of the battlefield
- in stationary and mobile radio networks
- high speed transfer of video, data, voice and position
- in extreme weather and climate conditions

## Features

- 3x3 MIMO Mobile Ad Hoc Networking (MANET) radio
- „peer-to-peer“ communication without a need for a control/base station
- frequency range: 1.35 GHz – 1.39 GHz (L-Band) or 2.2 GHz – 2.5 GHz (S-Band)
- maximum output of RF power: 6 W
- built-in video encoder with an option to connect an analog camera
- RF modulation: OFDM
- channel bandwidth: 5, 10 and 20 MHz, software configurable
- bit rate: up to 150 Mbps (20 MHz channel bandwidth)
- interfaces: 1x indoor unit (el. power, Ethernet, Audio, Management), 3x radio antenna, 1x GPS antenna, 1x analog camera, 1x AUX connector
- CTR-AES-256 encryption, SHA-256 HMAC
- MIL-STD compliant
- passive cooling
- dimensions: 255 x 275 x 70 (d x w x h mm)
- weight: 4.1 kg
- power supply: PoE ultra (IEEE 802.3 at)