

Rapidly Deployable Link 16 +
Tactical VHF/UHF for On-the-Move
and At-the-Pause Air, Land, and
Sea Applications



The Viasat Move Out/Jump Off (MOJO) Mini Next system arms you with real-time air/ground situational awareness and network functions on the go. Designed for size, weight, and power (SWaP) constrained applications, including small vehicles and boats, the Viasat MOJO Mini Next is a complete line-of-sight and beyond line-of-sight communications system for on-the-move and at-the-pause air, land, and sea applications.

When equipped with the L3Harris Small Tactical Terminal (STT), the Viasat MOJO Mini Next packs rapidly deployable Link 16, TADIL-J, and VHF/UHF (SINGARS, SRW*, ANW2C*, SATCOM, IW, and DAMA) networking in a very compact and ruggedized package that is carry-on sized, ideal for highly mobile or remote locations. With the use of an external host computer, operators can select their own applications and external displays to best suit their situational awareness needs. Mini Next provides embedded resilient M-Code GPS.

Thanks to the Viasat MOJO Mini Next system's panel of easy to-access connectors and integrated power supply, one person can set up and operate this portable system within minutes for rapidly deployable communications anywhere. Stop contending with the logistics and cost of transporting, installing, and maintaining traditional gateway infrastructure, which is large, heavy, and slow to deploy. Instead, be mission ready with this highly portable system—set up communications much faster, in a much smaller footprint, with fewer personnel. Whether it is at-the-pause communications for dismounted warfighters or networking-on-the-move for small vehicles and boats, Viasat keeps you connected.

MOJO MINI NEXT AT-A-GLANCE

- » Simultaneous two-channel, line-of-sight and/or satellite communications.
- » Easy to use, configurable user interface.
- » Real-time network convergence with Link 16, TADIL-J, and VHF/UHF (SINGARS, SRW*, ANW2C*, SATCOM, IW, and DAMA).
- » Rapid one-person setup in minutes, with no additional infrastructure needed.
- » Ruggedized for harsh environments and mobile applications.
- » Dramatically shortens kill chain timelines, and reduces the likelihood of fratricide or collateral damage incidents.
- » Easy-to-access connectors for rapid deployment:
 - CH1/CH2 Audio/Fill
 - CH1/CH2 KDU
 - CH1/CH2 Ethernet
 - CH1/CH2 USB/DTE
 - GPS Fill
 - GPS Serial (GSSIP and NMEA)
 - GPS Antenna
 - Link 16 A & B Antennas
 - CH1 UHF/VHF Antenna
 - CH2 UHF/VHF Antenna (30-88 MHz)
 - CH2 UHF/VHF Antenna (116-512 MHz)
 - AC Input
 - DC Input

A COMPLETE, INTEGRATED SYSTEM

The MOJO Mini Next provides a complete, integrated system for creating a mobile communication gateway function.

The following items make up the Viasat MOJO Mini Next system:

- » Ruggedized carbon fiber rack mount transit case
- » Integrated STT with intelligent cooling, control, and power
- » Integrated 20 W VHF/UHF amplifier and LNA
- » Integrated Viasat GIZMO M-Code or commercial GPS
- » Easy access to STT host, data, voice, crypto, and RF interfaces

FRONT PANEL CONTROLS AND INTERFACES

The system's STT Module has an intuitive and easy to use web interface to monitor and control the STT. Web interface features include, but not limited to:

- » STT Channel Power ON/OFF
- » STT Link 16 Long Term Transmit Inhibit (LTTI) and IFF Emergency
- » STT Channel Zeroization
- » Easy Crypto Management and Loading
- » Terminal Health and Status
- » Red Console



SPECIFICATIONS

TRANSIT CASE

- » **Color** Carbon fiber
- » **Dimensions (W x H x L)** 15.6 W x 10.1 H x 25.0 L in.

WEIGHT

MOJO Mini Next System

- » MOJO Mini Next with STT 75 lbs.
- » MOJO Mini Next without STT 55 lbs.

Accessory Kits

(included with MOJO Mini Next Expeditionary Kit)

- » Antenna/Mast Kit (PN 1370652) 100 lbs.
- » RF Cable Kit (PN 1454320) 70 lbs.

ELECTRICAL INPUT POWER

AC Input 85 to 264 VAC
(47 to 63 Hz)

DC Input 16 to 40 VDC

Power Consumption < 275 W (typ.)
500 W (peak)

Designed to meet MIL-STDs: MIL-STD-1399
MIL-STD-1275
MIL-STD-704
MIL-STD-461
MIL-STD-810

ORDERING INFORMATION

- » PN 1454318 MOJO Mini Next Expeditionary Kit
- » PN 1454319 MOJO Mini Next Expeditionary Kit (International)

CONTACT

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