

Powering the Link 16 + Tactical VHF/UHF Processing You Need for Tactical Edge Computing



Building upon Viasat's long history and heritage in pioneering innovations for the Link 16 industry, the Move Out/Jump Off (MOJO) Next is the latest addition to its tactical gateway portfolio offering the smallest and most capable system on the market today. With its roll on/roll off portability, the MOJO Next is less than half the size and weight of the original MOJO, with all of the capability and more. The all-in-one system supports all forms of transport for on-the-move and on-the-pause applications on land, in the air, and at sea.

As the world's only small form factor tactical gateway specifically designed and integrated with the L3Harris Small Tactical Terminal (STT), the Viasat MOJO Next system packs rapidly deployable Link 16, TADIL-J, VHF/UHF (SINGARS, SRW, ANW2C, SATCOM, IW and DAMA) in a compact and ruggedized modular package. MOJO Next's modular design also allows for the addition of various radios including Situational Awareness Data Link (SADL), L3Harris AN/PRC-163, Trellisware, Persistent Systems, and Silvus in addition to Viasat's edge encryption solutions (KG-250X and KG-250XS). This combination of capabilities, in conjunction with Viasat's Mobile SD-WAN networking platform (NetAgility), provides users the ability to seamlessly host multiple transports and disparate waveforms, providing robust and resilient connectivity to enable mission critical applications and data across the battlespace, even in Delayed/Disconnected, Intermittently-Connected, Low-Bandwidth (DIL) environments.

Designed for operations in remote locations where network extensions are needed to execute the mission, the Viasat MOJO Next crosslinks incompatible networks, and messages into clear and interoperable communications. This 360-degree view of the battlespace provides joint and coalition forces the ability to exchange situational awareness data with other Link 16 or SADL-enabled platforms so all assets are now fully integrated into the Common Operational Picture.

With this integrated, all-in-one system, one person can easily set up and operate the MOJO Next within minutes. Communications are set up much faster allowing you to remain mission ready anywhere, anytime and with less personnel. Whether it's at-the-pause communications for dismounted warfighters or networking-on-the-move for small vehicles and boats, Viasat keeps you connected.

MOJO NEXT AT-A-GLANCE

- » Simultaneous two-channel, line-of-sight, and/or satellite communications
- » Real-time network convergence with Link 16, TADIL-J, and VHF/UHF (SINGARS, SRW, ANW2C, SATCOM, IW, and DAMA)
- » Onboard computer and router to host data and gateway applications
- » Quick, one-person setup in minutes with no additional infrastructure needed
- » Ruggedized for harsh environments and mobile applications
- » Air and ground situational awareness, voice, and data capable
- » Easy-to-access connectors and integrated power supply for rapid deployment
- » Covers are designed to allow devices to remain cabled while in transit
- » Top ancillary plate quick mount system allows for fast setup and mission adaptability

A COMPLETE, INTEGRATED SYSTEM

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

The following items make up the Viasat MOJO Next system:

- » Ruggedized carbon-fiber rack-mount transit case (designed to meet MIL-STD-810G)
- » Integrated STT module with intelligent cooling, control, and power conversion
- » Quick mount 20 W VHF/UHF amplifier
- » Quick mount GIZMO M-Code GPS
- » Access to STT host, data, voice, crypto, and RF interfaces
- » Adaptable PacStar module bay with PacStar 451 Server and PacStar 447 Router (with Network Advantage Speed Boost) installed

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 GUI 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

ORDERING INFORMATION

- » PN: 1415324 MOJO Next Advanced
- » PN: 1415323 MOJO Next Standard
- » PN: 1430057 MOJO Next Advanced Expeditionary Kit
- » PN: 1409814 MOJO Next Standard Expeditionary Kit
- » PN: 1437049 MOJO Next TACP Maneuver Gateway
- » PN: 1440447 MOJO Next DACAS-G-S v3
- » PN: 1465043 MOJO Next Central, Communications
- » PN: 1428744 MOJO Next International

ACCESSORIES

- » PN: 1414940 AN/PRC-163 Radio Sled
- » PN: 1409663 Trellisware 900/950 Radio Sled
- » PN: 1409662 Silvus SC4200 Radio Sled
- » PN: 1393644 KG-250X Encryptor Sled
- » PN: 1260918 KG-250XS Encryptor Sled
- » PN: 1370651 Communications Kit
- » PN: 1236239 Accessory Kit
- » PN: 1417938 SADL Microlight Kit
- » PN: 1238017 WinIDM Modem Software
- » PN: 1238018 WinIDM Annual Support
- » PN: 1230998 Trax 2.0 Software License
- » PN: 1230999 Trax 2.0 Annual Support
Requires purchase of Trax 2.0 software license
- » PN: 1245456 Speaker
- » PN: 1314653 RF Antenna Cable, 50 ft.
- » PN: 1439182 MOJO Next Extended Warranty, One Year

SPECIFICATIONS

TRANSIT CASE

- » **Color** Carbon fiber/black
- » **Dimensions (W x H x L) in Transit Configuration (with front and rear lids installed)** 24 x 11 x 23 in.

WEIGHT (APPROXIMATE)

- » **Transit** 75 lb.

ELECTRICAL INPUT POWER

- » **AC Input** 85 to 264 VAC, 47 to 63 Hz
- » **DC Input** 16 to 40 VDC
- » **Conservative nominal operational rating; assumes all LRUs operating at maximum respective duty cycles** 575 W
- » **STT Module designed to meet** MIL-STD-1399
MIL-STD-1275
MIL-STD-704
MIL-STD-461



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