

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 (SINGGARS, 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 (SINGGARS, 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

SPECIFICATIONS

TRANSIT CASE

Color Carbon fiber/black

Dimensions (W x H x L)

- » **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

ORDERING INFORMATION

- » PN: 1415323 MOJO Next Standard
- » PN: 1415324 MOJO Next Advanced
- » PN: 1430057 MOJO Next Advanced Expeditionary Kit
- » PN: 1409814 MOJO Next Standard Expeditionary Kit
- » PN: 1236239 MOJO Accessory Kit
- » PN: 1044620 L Band Ground Antenna
- » PN: 1133815 Antenna UHF/VHF Ground
- » PN: 1255574 Ground Antenna Mast Kit
- » PN: 1314653 COAX Cable (50')
- » PN: 1414940 Dual Slot Radio Sled, PRC-163
- » PN: 1409663 Single Slot Radio Sled Supports Trellisware 400/900/950 Radios.
- » PN: 1409662 Single Slot Radio Sled Supports Silvus SC4200 and MPU5 (Top Connector Only)
- » PN: 1393644 Single Slot HAIPE SLED Module KG250X
- » PN: 1260918 Single Slot HAIPE SLED Module KG250XS
- » PN: 1413500 STT Module Remote Voice Upgrade
- » PN: 1417938 SADL Microlight Radio Mount, Power and Data Cables



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