**Complete Communications Package for On-the-Move and On-the-Pause Land, Air and Maritime Applications**

No matter where your mission takes you, the Viasat Move Out/Jump Off (MOJO) system arms you with real-time air/ground situational awareness and gateway functions on the go. Portable and sized for ground vehicles and small maritime vessels, the MOJO is a complete line-of-sight and beyond-line-of-sight communications system for on-the-move and on-the-pause land, air and maritime applications.

Equipped with the Viasat/Harris Small Tactical Terminal (STT) and a Situational Awareness Data Link (SADL) for simultaneous three-channel communications, the Viasat MOJO gateway packs rapidly-deployable Link 16, TADIL-J, VHF/UHF (SINCGARS, SRW*, ANW2C*, satcom, IW and DAMA) and EPLRS/SADL networking in a compact and ruggedized package.

Designed for austere operations in remote locations where network extensions are needed to execute the mission, the Viasat MOJO gateway translates incompatible messages from disparate networks into clear and interoperable communications. Joint and coalition forces are now fully integrated into the Common Operational Picture and have the ability to exchange situational awareness data with other Link 16 or SADL-enabled platforms. This 360-degree view of the battlespace leads to increased survivability with shorter kill chain timelines (95% efficiency in target/friendly acquisition times) and a reduction in collateral damage incidents.

The Viasat MOJO gateway has a built-in computer in the router that can host control and gateway applications. Operators are free to select their own applications and external displays to best suit their information and situational awareness needs.

Thanks to the Viasat MOJO system's panel of easy-to-access connectors and integrated power supply, one person can set up and operate this terminal within minutes for rapidly-deployable communications anywhere. You no longer have to contend with the logistics and cost of transporting, installing and maintaining traditional gateway infrastructure that is large, heavy and slow to deploy. With this portable system, communications are set up much faster in a much smaller footprint, allowing you to remain mission ready anywhere, anytime and with less personnel. Whether it's on-the-pause communications for dismounted warfighters or networking-on-the-move for ground vehicles and maritime vessels, Viasat keeps you connected.

## MOJO SYSTEM AT-A-GLANCE

» Simultaneous three-channel line-of-sight and/or satellite communications
» Real-time network convergence with Link 16, TADIL-J, VHF/UHF (SINCGARS, SRW*, ANW2C*, satcom, IW, and DAMA), and EPLRS/SADL
» Translates incompatible messages from disparate networks into a clear Common Operating Picture
» Dramatically shortens kill chain timelines and collateral damage incidents
» PRC-117F/G and FreeWave® capable options
» Onboard computer and router to host data and gateway applications
» One-person setup in minutes with no additional infrastructure needed
» Attaches easily to maritime vessels and ground vehicles
» Ruggedized for harsh environments and mobile applications
» Air and ground situational awareness, voice, and data capable
» Easy-access connectors and integrated power supply for rapid deployment

### ORDERING INFORMATION

| PN | Description |
|---|---|
| PN: 1218486 | MOJO CR V2 with Tactical Router |
| PN: 1276487 | MOJO DACAS-G-S Kit |
| » PN: 1218486 | MOJO CR V2 with Tactical Router |
| » PN: 1236239 | MOJO Accessory Kit |
| » PN: 1245456 | MOJO Amplified Speaker |
| » PN: 1044620 | L Band Ground Antenna |
| » PN: 1230323 | L Band Mobile Antenna |
| » PN: 1133815 | UHF/VHF Ground Antenna |
| » PN: 1287022 | UHF/VHF Mobile Antenna |
| » PN: 1255574 | Ground Antenna Mast Kit |
| » PN: 1256346 | Amplifier Kit for Ground Antenna Mast Kit |
| » PN: 1003220 | COAX Cable (50') |
| PN: 1236239 | MOJO Accessory Kit |

*STT not included*

## A COMPLETE, INTEGRATED SYSTEM

The MOJO provides an integrated system for creating a mobile communication gateway function.

The following items make up the Viasat MOJO system:

» Ruggedized COTS rackmount transit case
  (tested in accordance with MIL-STD-810G)

» Integrated DC/DC power supply with main power on/off

» Integrated 20 W VHF/UHF amplifier

» Integrated chassis cooling fan

» Access to STT host, data, voice, crypto, and RF interfaces

» Access to EPLRS/SADL host interface

» LED Indicators for main power on/off, STT CH1 power,
  STT CH2 power, and STT CH2 VHF/UHF amp power

» Power and mounting provisions for a ruggedized DTech
  Labs TXC-4 server/router

» Power, host interface, and mounting provisions for a
  EPLRS/SADL radio; can be provisioned for PRC-117F/G
  or other manpack-sized radios

» Integrated 1250 W AC to DC sealed/rugged UPS

## FRONT PANEL CONTROLS AND INTERFACES

The system's front panel contains separate LED status indicators for main power, STT channel 1 and 2 power, and UHF amp power. In addition, the front panel houses all the necessary interfaces to support STT operation. These interfaces are provided by the following connectors/switches:

» Main power switch

» STT CH1 and CH2 power-on switches

» STT Link 16 Long Term Transmit Inhibit (LTTI) switch

» STT zeroize switch

» STT VHF/UHF amp power on switch

» DC main power connector (D38999)

» STT CH1 and CH2 KDU connectors (Fisher-type
  that accommodates standard external KDU cable)

» STT CH1 and CH2 audio/fill connectors (standard
  GC-type that accommodates standard crypto fill devices
  and H-250 handsets)

» STT CH1 and CH2 Ethernet and console connectors (RJ-45)

» STT L16 RF connector (TNC)

» STT VHF/UHF connector (TNC)

» STT DTE waveform connector (DB-25F)

» EPLRS/SADL Ethernet connector (RJ-45)

## SPECIFICATIONS
### TRANSIT CASE

» Industry standard 19 in. 7U fixed rack with integral shock
  isolators (tested in accordance with MIL-STD-810G)

» Standard 3 in. front and rear lids with internal pouches

» Casters on rear lid

» Handles on side and lids

| | |
|---|---|
| **Color** | Desert tan/black |
| **Dimensions (W x H x L)** | |
| » **Transit Configuration** (with front and rear lids installed) | 22.5 x 16.4 x 34.5 in. |
| » **Operational Configuration** (with front and rear lids removed) | 22.5 x 16.4 x 28.5 in. |

### WEIGHT (APPROXIMATE)

| | |
|---|---|
| **Fully configured with STT, TXC-4, and RT-1720 LRUs all installed** | |
| » **Transit** | 180 lb |
| » **Operational** | 150 lb |

### ELECTRICAL INPUT POWER

| | |
|---|---|
| **AC Input** | 80 to 264 VAC, 47 to 800 Hz |
| **DC Input** | +9 to +30 VDC |
| **Conservative nominal operational rating; assumes all LRUs operating at maximum respective duty cycles** | 450 W |
| **UPS Runtime (Estimated)** | Worst case transmit assumptions: 22 min (625 W) |

## CONTACT

**Viasat**

U.S. SALES
TEL  760 795 6334
EMAIL  STT@viasat.com
WEB  www.viasat.com/STT

INTERNATIONAL SALES
TEL  +1 760 476 2675
EMAIL  STT.international@viasat.com

**HARRIS**

TEL  +703 880 60611
WEB  www.harris.com/stt