

Secure cloud access at the tactical edge.



Viasat's MOJO Next Cloud is a tactical edge cloud gateway designed to deliver secure, scalable connectivity to commercial cloud services from remote operational environments. By integrating cloud access directly into field-deployable MOJOs, it helps accelerate mission readiness and enhances real-time decision-making across operational forces.



Execute faster

Bridge disparate networks and distributed cloud resources for robust and resilient connectivity across the battlespace



Reduce total cost and complexity

Leverage existing MOJO hardware and workflows to accelerate deployment and minimize training requirements



Scale with the mission

Modular, configurable architecture supports evolving operational demands without requiring full system overhauls

Operational Advantage:

MOJO Next Cloud is designed to support a wide range of mission scenarios. In tactical field operations, deployed units can securely access mission data and advanced analytic tools from remote environments, enabling real-time decision-making without relying on centralized infrastructure. During joint coalition exercises, MOJO Next Cloud delivers interoperable cloud connectivity across diverse networks, ensuring secure collaboration and shared situational awareness among allied forces during multinational training events.

Trusted Experience:

Viasat brings decades of expertise in secure, resilient communications at the tactical edge, backed by proven deployments across U.S. and allied defense networks. Building on the trusted MOJO platform, already fielded for mission-critical operations, MOJO Next Cloud extends this foundation to provide scalable, integrated cloud connectivity without compromising security or performance. This evolution ensures forces can adapt quickly, collaborate effectively, and maintain operational superiority in any environment

MOJO NEXT CLOUD AT-A-GLANCE

- » Secure access to commercial cloud services from remote or disconnected environments
- » Leverage existing MOJO hardware, lowering cost, training and deployment timelines
- » Enables flexible configurations and growth to meet evolving mission needs
- » Maintains interoperable connectivity across joint and coalition environments
- » Enhances real-time data access, collaboration, and situational awareness



A COMPLETE, INTEGRATED SYSTEM

PacStar 451 pre-installed with Viasat's NetAgility™ Virtual Router software provides a flexible Software Defined Networking (SDN) platform that bridges disparate networks and distributed cloud resources to enable robust and resilient connectivity across the battlespace, even in disconnected, intermittent, limited (DIL) environments. MOJO Next Cloud transcends the traditional Primary/Alternate/Contingency/Emergency (PACE) approach by simultaneously routing or bonding packets over all available communication links, providing a powerful, responsive connection to commercial cloud network providers and on-premise cloud environments alike. MOJO Next Cloud also enables automated failover mesh networking across disparate edge networks, by leveraging Viasat's broader NetAgility ecosystem.

Management of MOJO Next Cloud gateways can be conducted through a combination of Viasat's NetAgility Orchestrator, which supports remote configuration and monitoring of all NetAgility devices.

FRONT PANEL CONTROLS AND INTERFACES

PACSTAR 451 SMALL SERVER:

- » Three (3) RJ-45 (10/100/1000 Ethernet)
- » Four (4) USB-A: two (2) USB 2.0, two (2) USB 3.0
- » One (1) RJ-45 (RS-232 Console)

VIASAT KG-250XS:

- » Plaintext RJ-45 (IEEE 802.3; 10/100 Mbps)
- » Ciphertext RJ-45 (IEEE 802.3; 10/100 Mbps)
- » Key-fill (DS-101 over USB)

SPECIFICATIONS

ELECTRICAL INPUT POWER

» AC Input	85 - 264 VAC (47 - 63 Hz)
» DC Input	10 - 36 VDC
» Power	60 W

ENVIRONMENTAL

- » MIL-STD-810 rugged
- » MIL-STD-461 EMI-compliant
- » MIL-STD-1275-compliant DC power

PHYSICAL CHARACTERISTICS

» Weight	5.13 lbs.
» Dimensions	11.5" x 7.4" x 4.5"

SUPPORTED DATA RATES

- » NetAgility Virtual Router (PS-451): 250 Mbps
- » Type-1 Encryption (KG-250XS): 200 Mbps (optional)

ENTERPRISE NETWORKING PROTOCOLS

- » TCP/IP, OSPF, BGP, DHCP, DNS, VPN

TACTICAL EDGE PROTOCOLS / FEATURES

- » UDP/ESP Packet Management
- » Type-1 Crypto Routing
- » SATCOM Acceleration
- » Radio-Aware Routing
- » GPS/CoT Location TCP/IP

ENTERPRISE SD-WAN ENCRYPTIONS

- » IPsec or OpenVPN with AES-256



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