Quickly provide broadband IP access at any location with the rapidly deployable Viasat Multi-Mission Terminal (MMT). This multi-band capable SATCOM terminal delivers IP-based voice, video, and data networking over X-, Ku-, commercial Ka-, and military Ka-bands, including operation with Viasat's high-capacity satellite service.

This portable flyaway terminal is ideal for Forward Operating Bases and emergency response operations, enabling warfighters and first responders to securely access networks and establish command post communications quickly and easily. The Viasat MMT delivers office-like network access, video conferencing, fast file transfers, real-time command and control, and situational awareness information. Dismounted warfighters can use this terminal to quickly access private government networks.

Providing several levels of satellite transport diversity across different networks and satellite constellations, the Viasat MMT is able to switch between an ArcLight® en-route mission comms network, a FDMA EBEM based point-to-point link for early entry operations, and a LinkWay™ MF-TDMA mesh at-the-halt network, simply via a software command. Additionally, the Viasat MMT is designed to switch between WGS-Ka, Commercial Ku, Viasat-1 and Viasat-2 constellations by following the standard operating procedures of a feed-arm swap.

The terminal includes a ruggedized Viasat CBM-400 modem that does not require additional equipment or tools for setup or operations. A single hardware platform that meets the needs of any mission and application, with waveforms for every satellite networking challenge or operational environment, the Viasat CBM-400 is interoperable with today's networks while providing users with a path toward network convergence.

The Viasat MMT provides operators with a unique combination of flexibility, multi-level transport diversity, and access to Viasat's high-capacity satellite constellations, enabling secure and resilient communications, in both benign and contested environments.

VIASAT MMT AT-A-GLANCE

» Multi-band capable with high-capacity satellite service

» Adapts to topology and architecture of your network (mesh, hub/spoke, point-to-point)

» Ability to roam across satellite networks to provide Anti-Access/Area-Denied (A2AD) Resiliency

» Rapidly-deployable broadband for IP communications anywhere

» IP networking for voice, video, and data

» Complete, integrated system for one-person setup to IP data in <30 mins

» Simple, accurate antenna pointing with Viasat smartphone app

» Supports LinkWay™, EBEM, ArcLight® waveforms over WGS and other satellites without changing modems (ARSTRAT cert. in process)

» Additionally, supports Viasat-1 and Viasat-2 High Capacity network waveforms

SPECIFICATIONS

USER SYSTEM FEATURES

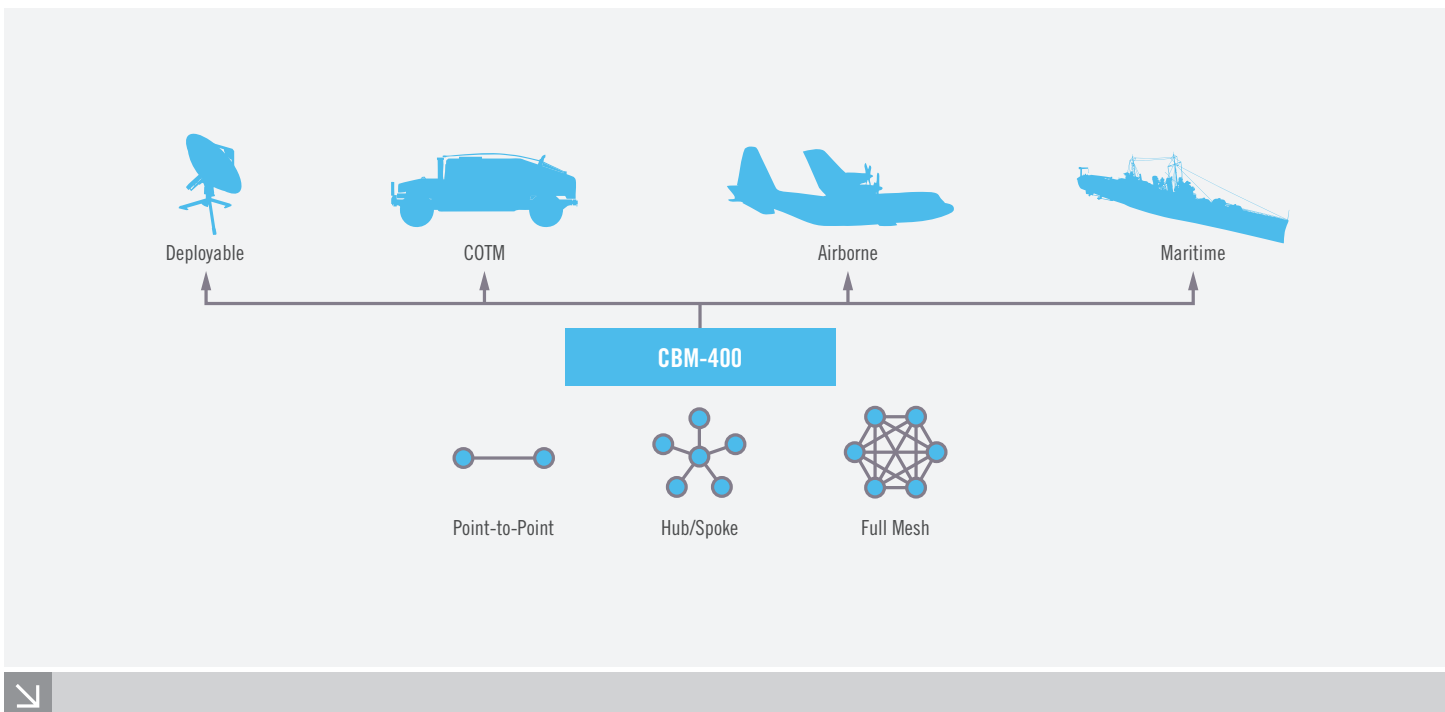|	
Configuration	Offset fed, 60 cm circular aperture
Finish	Tan
Azimuth Range	± 25º (after coarse setup)
Elevation Range	10º to 90º
Leveling Capability	± 5º
Shore Power	DC 24 VDC, AC power supply, universal AC up to 305 VAC, maximum terminal consumption: 200 W (depends on RF configuration)
Waveform Technology	LinkWayS2™, Arclight®, EBEM, Viasat-1 and Viasat-2 Waveforms

ENVIRONMENTAL

Operating Temperature	−40° to 55° C (depends on RF configuration) (Viasat High-Capacity Ka: −40° to 47° C)
Storage Temperature	−40° to 60° C
Wind	30 mph, gusts to 45 mph (w/ anchors/sandbags)

SETUP AND POINTING

Assembly/Tear-Down Time	< 15 mins for a minimally trained person
Satellite Acquisition Time	< 15 mins

RX Frequency Band	7.25 to 7.75 GHz	10.95 to 12.75 GHz	20.2 to 21.2 GHz	17.7 to 20.2 GHz
TX Frequency Band	7.9 to 8.4 GHz	13.75 to 14.5 GHz	30.0 to 31 GHz	26.5 to 30 GHz
Polarization	Manually switchable circular LHCP or RHCP	Manually switchable linear by 180º, cross polorization	Manually switchable circular LHCP or RHCP	Circular, RHCP/LHCP co-pol or cross-polarization
G/T (@20°)	10.8 dB/K minimum	15 dB/K minimum	16.8 dB/K minimum	TBD
EIRP (CW at midband)	41.9 dBW (10 W SSPA)	48 dBW (16 W SSPA)	49.2 dBW (6 W SSPA)	TBD

Deployable   COTM   Airborne   Maritime

CBM-400

Point-to-Point   Hub/Spoke   Full Mesh