The ViaSat 1.2 Meter Vehicle Mounted Terminal delivers affordable high-speed Internet access via satellite for workers at temporary or out-of-office field locations. The vehicle-mounted terminal is based on ViaSat’s successful Ka-band technology and leverages the world’s highest capacity satellite, already the product of choice for Ka-band direct-to-home Internet service, broadcasters, first responders and the DOD. With more than a million terminals shipped, the ViaSat Ka-band network has a record of proven reliability, scalability and performance.

VIASAT 1.2 METER VEHICLE MOUNTED TERMINAL AT-A-GLANCE
» Vehicle-mounted quick deploy high-speed connectivity
» Utilizes affordable, high-capacity Ka-band satellite bandwidth for high speed web access
» Supports high-speed live true HD video uplinks
» Enables two-way communication for added workflow capability for SNG field crews
» Quick set-up using single-push-button-antenna pointing for rapid satellite acquisition
» Web GUI local management

APPLICATIONS
» Satellite news gathering
» Emergency response
» Disaster relief
» Tactical military operations
» Network access for real-time data acquisition in remote areas
SPECIFICATIONS

FORWARD CHANNEL (SATellite TO TERMINAL)

Modulation/Coding
- 16-APSK Rate 2/3, 3/4, 4/5, 5/6, 8/9
- 8PSK Rate 3/5, 2/3, 3/4, 5/6
- QPSK Rate 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6
  » Adaptive Coding & Modulation
Symbol Rate Up to 50 MSym/s

RETURN CHANNEL (TERMINAL TO SATELLITE)

Modulation/Coding
- 8PSK Rate 7/12, 2/3, 3/4
- QPSK Rate 3/8, 1/2, 3/4
- BPSK Rate 1/2
  » Automatic power control and rate adaptation
Symbol Rate 625, 1250, 2500, 5000, 10000 and 20000 kSym/s
RF Spectrum FCC 47CFR25, ETSI EN 301 459

USER SPEEDS

Forward Channel Service provider configurable up to 50 Mbits/s
Return Channel Service provider configurable up to 20 Mbits/s
Actual User Speed Dependent on purchased service plan

ANTENNA

Input Frequency 18.3 to 20.2 GHz
Output Frequency 28.1 to 30.0 GHz
Polarization Circular, with remote switching
Mounting
  » Antenna Vehicle roof-top, motorized stowable for travel
  » Modem 19 in rack mounted, 1RU
Nominal EIRP $53.6$ dBWi
Nominal G/T $32.2$ dB/K

ENVIRONMENTAL

Operational Temperature
  » Indoor $-10^\circ$ to $+40^\circ$ C
  » Roof-top $-30^\circ$ to $+50^\circ$ C
Survival Temperature $-40^\circ$ to $+60^\circ$ C
Altitude 10,000 ft
Wind
  » Operational 30 mph steady, with gusts to 40
  » Survival
    » Deployed Antenna 75 mph
    » Stowed Antenna 100 mph
Rain $<100$ mm/hr
Shock and Vibration MIL-STD-810G, Category 20, Severe
Additional environmental specification limits are available for humidity, salt fog, ice/freezing rain and solar loading.

POWER

Vehicle AC 100 to 240 VAC, 50 to 60 Hz
Consumption $<900$ W

MECHANICAL

Weight
  » Antenna $<125$ lb
  » Modem/Router $<25$ lb
Stowed Antenna Height $<18.5$ in

POINTING

» Automatic, single-button initiated
  » Typical Acquisition $<5$ min; 90% of time, cold start, with calibrated compass
  » Vehicle Inclination
    » Full Performance $<10^\circ$
    » Limited Elevation $>10^\circ$

NETWORKING

» Transparent TCP and HTTP acceleration
  » Packet classification and filtering

MANAGEMENT

Modem Web GUI local management
Display Pointing and status indication
LEDs Quick terminal status

ORDERING INFORMATION

Antenna Manufacturer AvL Technologies

CONTACT

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For global sales contacts and locations, visit www.viasat.com/commercial-sales-locations.

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