

GETSAT MICROSAT LM

high-speed satcom on-the-move

MicroSat LM is a fully ruggedised satcom on-the-move (SOTM) terminal; optimised for the world's most demanding environments.

With its unique all-in-one design, MicroSat LM is the leading choice for ATV's, Maritime applications and quick deployment tasks.

With options for both Ka and Ku-bands, MicroSat provides autonomous operation, capable of transmitting and receiving data rates at over 10 Mbps.

KEY FEATURES

- Ka and Ku-band models available
- Lightweight - 7.6 KG
- Easily installed and removed from a vehicle using GRC's custom MAG-MOUNT fittings
- Low power consumption
- High performance with data rates over 10 Mbps
- Fully autonomous, all-in-one IMU, gyro and compass
- Modem agnostic
- Optional internal 4W BUC



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CONNECTIVITY



SECURE SOLUTIONS FOR SATELLITE, LTE,
RF, IP NETWORKS AND CLOUD SERVICES

TECHNICAL SPECIFICATIONS

Product Number	15052-GP	
RF Performance	Ka-Band	Ku-Band
Tx Frequency	29-31 OR 27.5-30 GHz	12.75-13.25 OR 13.7-14.5 GHz
Rx Frequency	19.2-21.2 OR 17.5-20 GHz	10.7-12.75 OR 10.7-11.45 GHz
Gain Tx	34 dBi	27.5 dBi
Gain Rx	32 dBi	26.4 dBi
G/T	8.2 dB / K	3.2 dB / K
Polarisation	RHCP/LHCP (co-pol / cross-pol)	Linear (V/H) Automatic Skew Control
Max EIRP	45.8dBW (25w BUC)	40.7dBW (35w BUC)
Tx / Rx isolation	60 dB	60 dB
Panel Size	248 x 135mm (9.8 x 5.3")	248 x 135mm (9.8 x 5.3")
System		
Azimuth	Continues coverage over full 360°	Continues coverage over full 360°
Elevation	0° to 90°	0° to 90°
Control Technique	Combined IMU / RSSI / GPS (Optional)	Combined IMU / RSSI / GPS (Optional)
Pointing Accuracy	0.2°	0.2°
Velocity	Azimuth >200° / Sec, Elevation > 200° / Sec	Azimuth >200° / Sec, Elevation > 200° / Sec
Initial Acquisition Time	<20 sec	<20 sec
Re-Acquisition time	<100ms	<100ms
Management	RS-232 / Ethernet	RS-232 / Ethernet
Interfaces	RS-232, Ethernet, TX / RX	RS-232, Ethernet, TX / RX
Power Input	24-54VDC	24-54VDC
Power Consumption	20W (RX), 170W (PSAT)	20W (RX), 150W (PSAT)
Weight	Ka: 7.6 Kg (16.7 lb) optional lower weight	Ku: 8.1 Kg (17.8 lb) optional lower weight
System size	26x30cm (10.2 x 11.8")	26x30cm (10.2 x 11.8")

Information subject to change without notice.



PLEASE CONTACT US FOR MORE INFORMATION

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