

MILLI S>T H_{LW}



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MILLI S>T H is a medium lightweight portable on the move satellite solution. It is designed for environments that require a higher bandwidth and can accommodate the enabling increase in form factor.

MILLI S>T H is optimized for larger bandwidth requirements, with a minimal footprint.

MILLI S>T H provides autonomous operation to transmit and receive bandwidth data rates at more than 20 Mbps.

MILLI S>T H is a small lightweight portable on-the-move satellite terminal solution. It is optimal for airborne connectivity, for compact installations, and for fully autonomous operation for transmit and receive of high bandwidth data rates of more than 10 Mbps.

RF PERFORMANCE	KA BAND	KU BAND
Tx Frequency	29-31 OR 27.5-30 GHz	12.75-13.25 OR 13.75-14.5 GHz
Rx Frequency	19.2-21.2 OR 17.5-20 GHz	10.75-12.75 OR 10.75-11.75 GHz
Max G/T	11.2 dB / K	7.2 dB / K
Polarization	RHCP/LHCP (co-pol / cross-pol)	Linear (V/H) Automatic Skew Control
Max EIRP	49 dBW (25W BUC)	45.7 dBW (50W BUC)
Tx / Rx isolation	60 dB	60 dB
Panel Size	25x27cm (9.8 x 10.6")	25x27cm (9.8 x 10.6")
SYSTEM		
Azimuth	Continues coverage over full 360°	Continues coverage over full 360°
Elevation	-8 to 90°	-8 to 90°
Control Technique	Combined IMU / RSSI / GPS (Optional)	Combined IMU / RSSI / GPS (Optional)
Velocity	Azimuth >200° / Sec, Elevation > 200° / Sec	Azimuth >200° / Sec, Elevation > 200° / Sec
Initial Acquisition Time	<30 sec	<30 sec
Re-Acquisition time	<100ms	<100ms
Management	Web Interface/ Open AMIP 1.16/ SW ICD	Web Interface/ Open AMIP 1.16/ SW ICD
Power Input	24-36v DC	24-36v DC
Power Consumption	25w (Rx), 200W (25W BUC, pSAT)	25w (Rx), 250W (50W BUC, pSAT)
Interfaces	RS-232, Ethernet, TX / RX	RS-232, Ethernet, TX / RX
Weight	9.8 Kg (21 lb)	10.2 Kg (22.4 lb)
System Size	33 x 37cm (13 x 14.5")	33 x 37cm (13 x 14.5")