COMMUNICATIONS ON THE MOVE

The Ku Band Communications On the Move Antenna system has been designed for continuous high bandwidth voice, video, data satellite communications in a highly dynamic environment.

The design is based on proven technologies integrated into a complete antenna system. Integrated RF equipment, control electronics on the pedestal provides improved acquisition, tracking and stabilization performance. An affordable solution with the high quality Commercial Off−The−Shelf components.

The terminal unit comprises following items:

− Antenna

− Antenna pointing mechanism

− Inertial navigation

− GPS

− Ethernet remote control and diagnostics

![SPECIFICATIONS]

COM ON THE MOVE

Parameter	Specifications	
	0.45m	0.76m
Frequency Band	Tx: 14-14.5 GHz Rx: 10.95-12.75 GHz	Tx: 14-14.5 GHz Rx: 10.95-12.75 GHz
Gain	Rx: 33.6 dBi @ 11.85 GHz Tx: 35 dBi @ 14.5 GHz	Rx: 37.6 dBi @ 11.85 GHz Tx: 39 dBi @ 14.5 GHz
EI RP	> 46.5 dBW (with 25 W BUC)	> 50.5 dBW (with 25 W BUC)
G/ T	> 11 dB/K @ 10.95 GHZ	> 15 dB/K @ 10.95 GHZ
Antenna Configuration	Centered	Centered
3 dB Beamwidth	RX 4º TX 3.5º	RX 2. 4º TX 2.1º
Polarization	Linear	Linear
Crosspolar Level	>25 dB	>25 dB
Aperture	Equivalent 0.45m	Equivalent 0.76m
Max OMT Handling Power	1 Kw	1 Kw
Adjustment ranges	Az: Continuous EI: 0 - 90º Pol: +/- 95º	Az: Continuous EI: 0 - 90º Pol: +/- 95º
Positioning Speed	Az Max 300 º /sec EI Max 200 º/sec Pol Max 15 º/sec	Az Max 300 º /sec EI Max 200 º/sec Pol Max 15 º/sec
Acceleration	Az 2000 º /sec/sec EI 2000 º /sec/sec	Az 2000 º /sec/sec EI 2000 º /sec/sec
Power Consumption	520W Peak	520W Peak
Operating Voltage	24-32 DC	24-32 DC
Tracking Recovery Time	<5 sec	<5 sec
Base Size	< 70cm x 58 cm	< 99cm x 91 cm
Overall Height	< 59cm	< 91cm
Operating Temperature	-40 to 55 C	-40 to 55 C
Storage Temperature	-50 to 70 C	-50 to 70 C
Weight	34Kg (excluded 25W BUC)	45Kg (excluded 25W BUC)