



## TP100-Thor7

TELENOR APPROVED  
1.0M Ka-Band



The TP100-Ka is the latest in the ultra-fast, quick-deployable antenna systems from Holkirk Communications.

It is ideal for store and forward, breaking news, occasional or permanent use, with uplink speeds in excess of 10Mbps. Complete with a pricing structure that delivers better value than traditional services, the TP100 can even support pre-booked and ad-hoc demands for service and bandwidth.

### Robust

Design includes 1.0M high gain carbon fibre reflector, 'no-tools' assembly, folding feed arm assembly, quick deploy tri-pod, inclinometer and fine adjust on Azimuth and Elevation. The tri-pod has detachable feet to allow for ground anchors to be fitted, ensuring maximum stability for reliable operation. The lightweight, high quality and reliable construction in conjunction with high gain 1M carbon reflector, will ensure excellent performance even at the extremities of satellite footprint.

### Ease of Pointing

The TP100 has been designed to assist in the pointing to the satellite. It has an integrated GPS, electronic compass and inclinometer that will give the user a target Azimuth/ Elevation position and actual read-out for the true position of the axis.

### Clever Power Options

The TP100 in conjunction with the ruggedized outdoor modem (ODU) can be powered from a variety sources, either from a 240V via a PSU, direct from a 12V vehicle supply or from standard camera batteries (Vee-lock, PAG etc).

- Avanti and Telenor Operation
- 1.0M Segmented Carbon Reflector
- Pointing Assist System
- 'No-Tools' Assembly
- Less Than 5 Minutes Build Time
- 2 Case Solution (IATA Compliant)
- 3W / 5W Ka-Band Transceiver
- THOR7 and HYLAS Certified

High-speed, High-performance IP Broadband Connectivity  
Designed specifically to support mobile applications, the TP100-Ka employs a ruggedised Evolution X5 IP modem ideally suited for broadband applications such as IP DSNG, web streaming, secure communications, and other mobile applications.

The Evolution X5 features iDirect's highly efficient implementation of the DVB-S2 standard, with Adaptive Coding and Modulation (ACM) on the outbound carrier. Along with deterministic MF-TDMA technology and 2D 16-State FEC on the inbound, the Evolution X5 maximises the efficiency of satellite capacity to enable new opportunities.

### Thor 7 Coverage





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### Specification

Data Transfer	10Mb/s
Antenna Size	1.0M
Antenna Type	Segmented
Material	Carbon fibre
RF Transceiver	3W or 5W Ka-Band
Weight	15kg per case (depends on option)
No. of cases	2
Ambient Temperature	
Operational:	-20°C to +50°C
Solar Radiation	1,200 W/m <sup>2</sup>
Wind Speed	
(with ballast or anchors)	20m/s (45 mph)
Operating Humidity	100% condensing
Rainfall Maximum	100 mm/h (4 in/h) excluding link budget effects
Altitude	Up to 3,000m (9,850 ft)
Survival	Up to 10,000m (32,800 ft)
Case 1 -	Antenna, Tripod 77x51x46cm (15kg)
Case 2 -	RF case (Ka) 75x47x38cm (15kg)

