



# SKY 180 Ka Fixed Terminal



## Key Features:

- Sealed RF chain
- All passive cooling for improved reliability
- Worldwide operation - Full Ka coverage with flexible polarization (5 watt version)
- Inmarsat Global Xpress approved



### EIRP

#### **3 watt transmit**

57.3 dBW @ 29.5GHz, P1dB

#### **5 watt transmit**

59.5 dBW @ 29.5GHz, P1dB

### G/T

26.1 dB/K @ 19.7GHz  
30°EI, clear skies



The 1.8m Ka-Band Terminal is a professional grade product suitable for fixed and semi-fixed applications. It is made up of a 1.8m composite antenna and an integrated transceiver. Full Ka-Band transmit coverage from 29 to 31 GHz with flexible polarization for truly global operation (5W option only). The SKY 180 is pre-approved for out-of-the-box compatibility with Inmarsat's Global Xpress Ka-Band network.

The reflector is manufactured from a proprietary compound developed especially for Ka-Band applications to ensure an accurate surface profile and robust mechanical properties. The heavy-duty back-structure and Az/EI mount provide rigid support for the reflector and incorporate fine Azimuth and Elevation mechanisms with features to minimize backlash and lockdown errors.

The integrated Ka transceiver houses the BUC, PLL LNB and waveguide components in a sealed, IP-rated unit for protection against the environment and is fanless in order to improve reliability.

- *Proprietary composite reflector for maximum Ka-Band performance*
- *RF chain housed in sealed unit for improved environmental ruggedness*
- *Features to minimize backlash and lockdown errors for accurate pointing*
- *Extreme environment option*
- *Optional Non-Penetrating Roof Mount*
- *1.2m option*
- *3W and 5W options*

## Skyware Technologies

Kreuzweg 60, 47809 Krefeld, Germany  
+49 2151 5350 258 • info@skywaretechnologies.com  
www.skywaretechnologies.com

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