

Taranis

Our super-compact Taranis AutoAQYR™ (auto-acquire) SATCOM terminal provides commercial and government users high-speed broadband connectivity in a small, efficient terminal package. The Taranis is easy to set up and operates with a highly efficient dual-optics reflector and Gregorian antenna design.

This 65-cm Taranis, named after the Celtic god of thunder and the sky, is perfect for operations in remote locations, where small size and light weight are important, or on high-throughput beams, which maximize the efficiency of smaller antennas. It is available for use on the Viasat high-capacity network.

The Taranis includes a 65-cm Gregorian dual-optics antenna, auto positioner, and integrated RF components. These terminals are configured to fit in a single case, Terminal setup takes seconds, while satellite acquisition takes less than 3 minutes. Having a robust ruggedized design, this highly capable terminal is comparable to a 75-cm equivalent and is perfect for operations in harsh conditions, supporting multiple configuration options to suit the user's needs.

Features

- Integrated with the Viasat high-capacity network
- Full AutoAQYR™ terminal
- Terminal setup in seconds; automatic satellite acquisition in less than 3 minutes
- Super compact 65-cm carbon fiber Gregorian antenna with dual-optics reflector
- Single- or dual-case configurations
- High efficiency on high-throughput beams
- Comparable performance to a 75-cm parabolic antenna



Case with quick-start lid liner



Lid liner becomes laptop desk



Specifications

Mechanical

| | |
|-------------------|-----------------------------|
| Antenna Size | 65-cm dual-offset Gregorian |
| Antenna Control | Automated |
| AZ Range | +/-30° |
| EL Range | 0° to 90° |
| Pointing Accuracy | < 0.1° |

Environmental

| | |
|--------------------------|---|
| Operating Temperature | -20° to +50°C |
| Storage Temperature | -40° to +85°C |
| IP Rating | IP65 |
| Designed to MIL-STD-810G | Rain, dust, sand, solar radiation, vibration, altitude, humidity, drop, and loose cargo |
| Wind Load | 30 mph sustained with gusts up to 45 mph |

Electrical/RF

| | |
|-------------------------|------------------------------------|
| Power Input | AC: 110/240V DC: 12/30V (<100W) |
| Tx Frequency | 26.5 to 30 GHz |
| Rx Frequency | 17.7 to 20.2 GHz |
| EIRP | 43 dBW |
| G/T | 17.0 dB/K |
| Tx/Rx Isolation | > 60 dB (including diplexer) |
| Polarization (circular) | RHCP/LHCP |
| X Pol | < -23 dB |

Packaging/Weight

| | |
|---------------------------------------|--|
| Terminal Weight (with modem) | 57 lbs (25.8 kg) |
| Assembled Terminal Dimensions | 40" x 39" x 39" (101.6 cm x 99 cm x 99 cm) |
| Packaged Weight (single case) | 96 lbs (43.5 kg) |
| Packaged Dimensions (single case) | 33" x 23.5" x 18.75" (83.8 cm x 59.7 cm x 47.6 cm) |
| Packaged Weight (two-case option) | 49 lbs and 47 lbs (22.2 kg and 21.3 kg) |
| Packaged Dimensions (two-case option) | 26.6" x 20.6" x 14.9" (67.6 cm x 52.5 cm x 37.8 cm) |