

TYPHOON

1.0 Meter Ku-Band 3-Axis (Azimuth, Elevation & Skew) Auto Acquire SATCOM Terminal



TYPHOON FEATURES:

- Simple Rapid Deployment, No Tools Required
- AutoAQYR™ Acquisition Algorithm
- Packs in a Single IATA-Compliant Case
- Minimal User Training Required
- Simple, Integrated, Intuitive User Interface
- User Configurable Satellite Settings
- Remote Graphical User Interface (GUI) Available
- Modem Agnostic

AQYR's TYPHOON AutoAQYR™ SATCOM terminal delivers lightning fast acquisition in one rugged case. Known for our reliable manpackable terminals used by the elite military Special Operation Forces, the TYPHOON is the next-generation of rapidly deployable satellite communication terminals. TYPHOON is comprised of a lightweight carbon fiber reflector, auto positioner, and compact integrated RF components. The terminal is fully operable from the auto positioner or can be accessed through a remote GUI to manage network profiles and view real time updates. TYPHOON is designed to be modem and satellite service agnostic. The most popular modems have been integrated with the TYPHOON terminal.

TYPHOON features the unique, robust AutoAQYR™ software, which provides step-change capability in auto-acquisition of Ku-Band signals. The AutoAQYR algorithm allows for acquisition at a carrier-service level, peaking on transponder signals at a much higher level than other terminals on the market. Using the simplistic network profile configuration, the system peaks directly on the assigned transponder and carrier characteristics for the specific network service, providing higher signal gain and better network performance.

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Specifications



Acquire Time:	Start to signal lock in less than 3 minutes
Size:	Positioner = 8.75" L x 7.0" W x 18" H (22.2cm L x 17.8cm W x 45.7cm H)
Weight:	Full System = 48 lbs. (18.75 kg) Packed In case = 85 lbs. (38.50 kg)
Power:	AC - 110 / 240V DC - 12 to 30v (<40 Watts)
Scan Range:	Azimuth $\pm 30^\circ$ (60° total) Elevation 0° to 90° (90° total) Skew $\pm 90^\circ$ (180° total)
I/O Ports:	RJ-45 - for remote interface RF (TNC) connectors - Tx and Rx Power input
Base:	Low profile composite tripod - Legs extend for greater stability
Transceiver:	7-Watt fully integrated BUC, LNB and OMT
Dish:	1.0 meter segmented composite dish
EIRP:	Maximum Capability 49.45 dBW, Overall RMS Stability -0.50 dB, +0.50 dB
Frequency Range Rx:	10.70 - 12.75 GHz
Frequency Range Tx:	13.75 - 14.50 GHz
XCVR - Rx Conv. Gain:	56.0 dB
XCVR - Tx Gain:	39.0 dBm at 6.3w
G/T:	19.6 dB/K measured at 11.85 GHz
Polarization:	Cross Pol/Co Pol selectable
Wind Operational:	30mph gusting to 45mph
Temperature:	-22° to 140° F (-30° to 60°C)
Ingress Protection:	IP65