

TYPHOON

RAPID
DEPLOYABLE
DEPENDABLE



- 1M Carbon fiber antenna system
- Capable in Ku with Ka and X band in development.
- Simple rapid deployment, no tools required
- AutoAQYR™ (acquire) acquisition algorithm
- Single IATA-compliant case, with optional 2 case configuration
- Minimal user training required
- Simple, Integrated, Intuitive user interface
- User configurable satellite settings
- Remote graphical user interface (GUI) available
- Modem agnostic, open AMIP



**AQYR**

when you are out there ... we have your backhaul

TYPHOON

Our TYPHOON AutoAQYR™ (auto-acquire) 1.0M SATCOM terminal delivers Commercial and Government Users lightning fast acquisition in a compact lightweight package. The TYPHOON has been used in emergency response and recovery, Government Agency Operations, Commercial Business continuity, military operations and for broadcast.

The TYPHOON is comprised of a 1.0M carbon fiber reflector, auto positioner, and integrated RF components (with an optional VAR furnished RF capability). It is available in Ku band, with an easy field change from band to band (Ka and X band in development). The TYPHOON is designed where space and weight are an issue. These terminals can be configured in a single case, or two case configuration. Terminal setup is minutes, satellite acquisition is less than 3 minutes. A robust design, this highly capable 1.0M terminal is comparable to a 1.2M due to the antenna efficiency and accurate pointing.



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Specifications

| MECHANICAL | | | | |
|-------------------------------|-------------------------------------------------------------------------------------|-------------|----------------------------------------|--------------|
| Antenna Size | 1.0M Center Fed Carbon Fiber | | | |
| Antenna Control | Automated | | | |
| AZ Range | +/- 30° | | | |
| EL Range | 0 to 90° | | | |
| Pointing Accuracy | < 0.1° | | | |
| ENVIRONMENTAL | | | | |
| Operating Temp | -30 to 60°C | | | |
| Storage Temp | -40 to 85°C | | | |
| IP Rating | IP65 | | | |
| Designed to MIL-STD 810G | Rain, Dust, Sand, Solar Radiation, Vibration, Altitude, Humidity, Drop, Loose Cargo | | | |
| Wind Load | 30mph sustained with gusts to 45mph | | | |
| ELECTRICAL/RF | | | | |
| Power Supply Input | AC-110/240V DC-12/30V (<40Watt) | | | |
| Transmit Frequency | 13.75 - 14.50 GHz | | | |
| Receive Frequency | 10.70 - 12.75 GHz | | | |
| Antenna Gain | Ku (No RF) | Ku (8W BUC) | Ku (25W BUC) | Ku (55W BUC) |
| TX Gain | 41.7 dBi (@ 14.125GHz) | | | |
| RX Gain | 39.6 dBi (@ 11.725GHz) | | | |
| G/T | 19.6 dB/K | | | |
| BUC Size | N/A | 8W | 25W | 55W |
| EIRP | N/A | 50.7 dBW | 55.23 dBW | 58.66 dBW |
| Tx/Rx Isolation | > 55 dB | > 55 dB | > 55 dB | |
| Polarization | Linear | | | |
| X Pol | > 30 dB | | | |
| PACKAGING/WEIGHT | | | | |
| Terminal Weight | 48.6 lb | 55.4 lb | 51.9 lb | 53.9 lb |
| Packaged Weight* | 92 lb | 98 lb | 95.3 lb | 97.3 lb |
| Packaged size* | Case one - 24" x 19" x 11" - 50lbs | | Case two - 25.4" x 18.4" x 13" - 44lbs | |
| *Two Case Solution Available. | | | | |



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