

# FAST DEPLOY 1.8M

## C/Ku-Band Model: AFD18



### Features

- Air Craft Baggage Shippable
- Fast Response, Dependable
- Portable, Light-Weight Antenna that Maneuvers Easily
- Easy Deployment, Fast Field Assembly
- Compact and Sturdy

### Applications

- Satellite News Gathering (SNG)
- Government and Military Communications
- Remote Business Applications
- Broadcasting

ATCI's portable antenna is ready for worldwide deployment. The four piece precision molded reflector and the Aluminum tripod is sturdy and easy to assemble. With all captive hardware, the complete antenna can be assembled and deployed in 5-10 minutes by one person without any tools. Pointing and peaking the antenna is easy by using hands for coarse movements and then manual cranks for smaller movements. The AZ/EL tripod mechanics allow you to lock the reflector position in it's peaked final position.

The high precision molded reflector four segments provide the user with excellent sidelobes and cross polarity isolation. The system comes in three rigid cases.

# Specifications: Fast Deploy (1.8m C/Ku-Band) Antenna

<b><i>ELECTRICAL:</i></b>	
<b>TX Frequency</b>	5.85 - 6.425 GHz
<b>TX Gain</b>	39.5 dBi @ midband Linear, 39.3 Circular
<b>RX Frequency</b>	3.625 - 4.2 GHz
<b>RX Gain</b>	35.5 dBi @ midband Linear, 35.3 Circular
<b>Cross-Pol Isolation</b>	30 dB min
<b>VSWR</b>	1.30:1
<b>Sidelobes</b>	IESS 601 STD G
<b>Antenna Noise</b>	
<b>Temperature</b>	40K @40°
<b>Power Handling</b>	1 KW CW
<b>TRF</b>	Included
<b>Waveguide Flange</b>	WR229-RX, WR137-TX
<b><i>MECHANICAL:</i></b>	
<b>Mount Type</b>	Fast deploy AZ/EL
<b>Reflector Material</b>	Four pieces compression molded
<b>Elevation Adjustment</b>	0° - 80°
<b>Azimuth Adjustment</b>	0° - 30°
<b>Case 1, 2</b>	50"X16"X32", Weight: 100 lb.
<b>Case 2</b>	52"X25"X25", Weight: 180 lb.
<b><i>ENVIRONMENTAL:</i></b>	
<b>Wind Loading</b>	20 mph (32 km/h) no anchors
<b>Operational</b>	50 mph ( 80 km/h) with anchors and ballasts