

Mechanical

Reflector Type	1.2 meter Glass Fiber
Mount Geometry	Elevation over Azimuth
Polarization	Vertical or Horizontal: 270° on both polarities
Deployment Sensors	GPS, Inclinometer, Counters
Azimuth	380°
Elevation	175° sweep from stow to full deploy
Elevation Max Look Back	107.5° from 90° (Includes dish offset of 22.5°)
Deploy Elevation	Variable ~2°/sec
Deploy Azimuth	Variable ~6°/sec
Deploy Cross Pole	Variable ~45°/sec

Environmental

Deployed Wind Resistance	Has been tested at 68 mph (100 kph)
Stowed Wind Resistance	Wind tunnel tested to 145 mph (233 kph)
Operational Temperature	-40°C to 65 °C/ -40°F to 150° F

Physical

Length Stowed	76.6" (1.9m) w/reflector
Width Stowed	48" (1.2m) w/reflector 22" (0.5m) w/o reflector
Height Stowed	12.2" (0.3m)
Weight	220 lbs (100 kg) w/o reflector and RF equip. 271 lbs (123 kg) complete
Boom Capacity (BUC Weight)	15 lbs (6.8 kg) * custom solutions can be made for heavier BUCs

- User interface accessible from any wifi enabled device
- No software to install
- Advanced self leveling feature aids in satellite acquisition
- Advanced peaking
- Faster deploy times
- Unaffected by magnetic compass distortion
- Standard controller is available as a desktop version or 1U rack mount
- Universal BUC mounting options
- Modem agnostic
- Custom configurations are available



Electrical

Transmit & Receive Cables	2 RG6 cables 50ft (15.2m) Standard
Control Cable	Interface cable 50 ft (15.2m) Standard * Longer cables available
Frequency	Ku Band
TX	13.75-14.5GHz
RX	10.70- 12.75GHz
Polarization	Linear, Orthogonal
Feed Interface	WR75
3dB Beam Width TX	1.2°@14.25GHz
RX	1.38°@12.2GHz
TX Gain	43.3dBi
RX Gain	41.8dBi
Noise Temperature	10°EL=45K 39; 30°EL=24K
Side Lobe Envelope	1.5° < θ < 20° 29 - 25log θ dBi 20° < θ < 26.3° -3.5dBi 26.3° < θ < 48° 32 - 25log θ dBi 48° < θ < 180° -10 dBi
Cross Polarization	35dB (On Axis) 30dB (in 1dB Contour)
Isolation RX	> 40dB
(Port to Port) TX	> 85dB
VSWR	1.3:1

Warranty

1 year warranty, extended warranty available



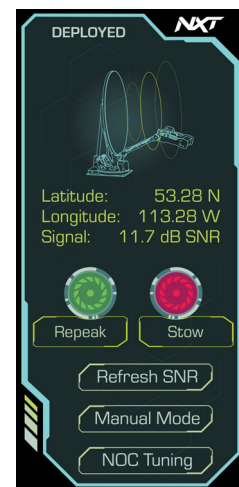
Controller Overall



Controller Rear View

Controller

Standard Controller	-User intuitive -Push button interface, or graphical interface via PC or smart device -Embedded training videos -Optional DVB capability
Dimensions	11"L x 5.5"W x 1.75"H (280mm x 140mm x 44mm) * 1U rack mount option available
Interface	OpenAMIP, Ethernet or Serial
Electrical	100-240 V AC / 40 VDC *typical draw is 14 Watts when idle, 200 Watts when searching.



Controller Interface



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