

Mechanical

Reflector Type	1.8 Meter Glass Fiber
Mount Geometry	Elevation over Azimuth
Polarization	Vertical or Horizontal: 270° on both polarities
Deployment Sensors	GPS, Inclinometer, Counters
Azimuth	380°
Elevation	130° sweep from stow to full deploy
Elevation Max Look Back	67.5° from 90° (Includes dish offset of 22.5°)
Deploy Elevation	Variable ~2°/sec
Deploy Azimuth	Variable ~5°/sec
Deploy Cross Pole	Variable ~45°/sec

Physical

Length Stowed	111" (2.8m) w/reflector
Width Stowed	71" (1.8m) w/reflector 28.8" (0.7m) w/o reflector
Height Stowed	16.6" (0.4m)
Weight	225 lbs (102kg) w/o reflector and RF equip. 250 lbs (113 kg) complete
Boom Capacity (BUC Weight)	15 lbs (6.8 kg) *custom solutions can be made for heavier BUCs

Environmental

Deployed Wind Resistance	Has been tested at 68 mph (100 kph)
Stowed Wind Resistance	In excess of 45 mph (233 kph)
Operational Temperature	-40°C to 65°C/ -40°F to 150°F

- 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





1.8m Autopoint Technical Specifications

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	14.0-14.5GHz
RX	10.95- 12.75GHz
Polarization	Linear, Orthogonal
Feed Interface	WR75
Midband Gain (+/- 0.2dB) TX	46.5dBi
RX	45.0dBi
Noise Temperature	10°EL=44K ; 30°EL=35K
Side Lobe Envelope	main <math>\theta < 7^\circ </math> 29 - 25log θ dBi 7° <math>\theta < 9.2^\circ </math> +8dBi 9.2° <math>\theta < 48^\circ </math> 32 - 25log θ dBi 48° <math>\theta < 180^\circ </math> -10 dBi
Cross Polarization	>30dB (On Axis)
VSWR	1.3:1

Warranty

1 year warranty, extended warranty available



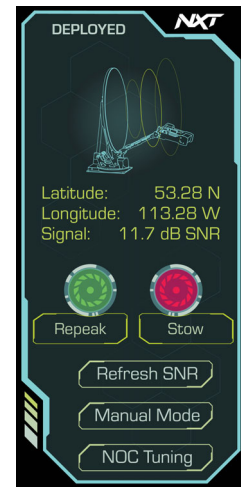
Controller Overall



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	Open AMIP, 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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