

# 1501+

**iNetVu®**  
by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu® 1501+ Drive-Away antenna system is a sleek, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Its reflector optics feature a long focal length for excellent cross-pol performance. All three motorized axes have very low backlash and work together seamlessly with sophisticated integral sensors and the iNetVu® 7715 Controller to ensure excellent pointing accuracy.



### Features

- 1.5m Offset, prime focus, carbon fibre reflector
- Low stow height
- 35 dB crosspol for large carrier uplinking
- Designed to work with the iNetVu® 7715 Controller
- Supports hand cranks when required
- Supports up to 200W Redundant BUC directly on feed arm
- One button, auto-pointing controller acquires any satellite within 2 minutes
- Optimal high-precision antenna pointing
- Includes jog controller functions
- Remote access and operation via network, web and other interfaces
- Modular design makes all major aspects of the antenna field serviceable
- Standard 2 year warranty

### Application Versatility

The 1501+ Drive-away system is easily configured to provide instant access to satellite communications for any application that requires reliable and/or remote connectivity in a rugged environment. Ideally suited for applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.

**C-COM**  
SATELLITE SYSTEMS INC.

613-745-4110 | 1-877-463-8886 (1-877-iNetVu6)  
[www.c-comsat.com](http://www.c-comsat.com)

Specifications are subject to change

Draft

Nov 2024

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### Mechanical

Reflector Size & Material	1.5m Carbon Fibre
Platform Geometry	Elevation over Azimuth
Offset Angle	16.97°
Antenna Optics	One-piece offset feed, prime focus
Azimuth Travel	± 200°
Elevation Look Angle	0° to 90°
Polarization Travel	± 95°
Elevation Deploy Speed	2°/sec
Azimuth Deploy Speed	6°/sec
Peaking Speed	0.2°/sec
Motor Voltage	24 VDC 10 Amp (Max.)

### Environmental

Wind loading	
Operational	72 km/h (45 mph)
Survival	
Deployed	112 km/h (70 mph)
Stowed	225 km/h (140 mph)
Temperature	
Operational	-30° to 55° C (-22° to 131° F)
Survival	-40° to 65° C (-40° to 149° F)
Solar Radiation	1000Kcal/h/m (360 BTU/h/sq. ft.)
Rain	10 cm/h (4 in/h)
Humidity	0-100% (condensing)
Thermal Test per MIL-STD-810H, Methods 501.7/502.7 High/Low	
Temperatures, Vibration Test per MIL-STD-810H, Method 514.8 Procedure I,	
Category 4, Truck/Trailer/Tracked, Shock Test per IEC 60068-2-27 Edition 4.0	
Dust and Water Ingress IP65 per IEC 60529 Edition 2.2	

### Antenna Bands

Transmit Power <sup>(1)</sup>	1 to 400 watt		• 1 to 125 watt	
Feed	2 Port XPol			
	<b>Ku-Linear</b>		<b>C-Linear (Std/INSAT) <sup>(3)</sup></b>	
	<b>Receive</b>	<b>Transmit</b>	<b>Receive</b>	<b>Transmit</b>
Frequency (GHz)	10.70 - 12.75 <sup>(2)</sup>	13.75 - 14.50	3.40 - 4.20 <sup>(2)</sup>	5.850 - 6.725
Optional	10.70 - 11.70	12.75 - 14.50	4.50 - 4.80	6.725 - 7.025
Feed Interface	WR75	WR75	CPR-229	N or CPR-137
Midband Gain Co-Pol (± 0.2dBi)	43.70	45.00	33.40	37.20
Antenna Noise Temp. (K)	10° EL = 65 / 20° EL = 58		10° EL = 45 / 20° EL = 40	
Sidelobe Envelope, Co-Pol (dBi)				
1.5° < Θ < 20°	Meets ITU 580, INTELSAT		IESS 601 STD G	
20° < Θ < 26.3°	-3.5		-3.5	
26.3° < Θ < 48°	32-25 Log Θ		32-25 Log Θ	
48° < Θ < 180°	-10 (Typical)		-10 (Typical)	
Cross-Polarization on Axis	> 35 dB		> 30 dB	
Within 1dB Beamwidth	> 30 dB		> 26 dB	
Tx/Rx Isolation	> 40 dB		> 60 dB	
VSWR	1.3:1	1.3:1	1.5:1	1.3:1
				1.25:1 (Max.)
				DSCS Req.
				<b>X Band <sup>(3)</sup></b>
				<b>Ka - Linear R/O <sup>(3)</sup></b>
				<b>Receive</b>
				17.70 - 21.2 <sup>(2)</sup>
				WR42

Notes: <sup>(1)</sup> Depending on size and weight for feed arm mounting limitation

<sup>(2)</sup> LNB PLL Type required with stability better than ± 25 KHz

<sup>(3)</sup> Call your C-COM sales representative for availability

<sup>(4)</sup> Offered on platforms only

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