



Multi-Band VSAT Terminals



The Hawkeye III Series VSATs from L3 GCS provides high-speed data communications for Internet, VPN connectivity and video transmission.

The latest generation Hawkeye VSAT, the Hawkeye III, now gives the user the ability to switch between bands and apertures without having to purchase an additional system. The Hawkeye III terminals range in antenna size from 1.6M to 2.4M and utilize an enhanced ODU to eliminate reconfiguration and allow commonality of control. A simple swap of the feed boom assembly is all that is required to switch between bands. The Hawkeye series VSATs are proven reliable, lightweight and now even easier to use!

SYSTEM FEATURES

- Enhanced ODU
- Segmented carbon fiber reflector offers high performance and light weight
- Robust auto-acquisition to support Ku-, X-, Ka-, and C-Bands
- Interchangeable Feed Boom design allows for easy RF Band change
- Interchangeable reflector design allows user to switch easily between aperture sizes
- 4 LAN ports or 3 LAN ports plus DSL option
- MIL-STD-810G tested
- Type-approved for Global Xpress

APPLICATIONS

- Quick-deploy voice, data, and video
- Military command/control or logistic support communications
- Deployable Homeland Defense or Emergency Response communications
- Worldwide remote Internet/VPN connectivity
- VoIP or Video-Conferencing





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ANTENNA/PEDESTAL			
Reflector	1.6M, 2.0M, or 2.4M segmented carbon fiber		
Acquisition	Auto		
Elevation	+0° to +90°		
Azimuth	+200° to -200°		
BAND SUPPORT			
X-, Ku-, Ka- mil, Ka- WB, C-			
OPERATING FREQUENCIES			
	Transmit (GHz)	Receive (GHz)	
X-	7.90 to 8.40	7.25 to 7.75	
Ku-	13.75 to 14.50	10.95 to 12.75	
Ka- mil	30.0 to 31.0	20.2 to 21.2	
Ka-WB	29.0 to 31.0	19.2 to 21.2	
C-	5.85 to 6.425	3.625 to 4.20	
RF PERFORMANCE			
EIRP (dBW)	1.6M	2.0M	2.4M
X-	57.3	59.2	60.8
Ku- (40W)	60.3	62.3	63.8
Ka- mil	66.0	67.9	69.5
Ka-WB	61.6	63.6	65.2
C-		55.8	57.3
G/T (dB/W)	1.6M	2.0M	2.4M
X-	18.2	20.1	21.7
Ku- (40W)	22.2	24.6	26.2
Ka- mil	25.2	27.1	28.7
Ka-WB	25.2	27.1	28.7
C-		17.0	18.6
MODEM INTEGRATION			
iDirect e800, iDirect 900, UHP-1100, Comtech DMD1050T			
INTERFACES			
# of ports	4 LAN or 3 LAN plus DSL option		
POWER			
AC	90-264VAC; 47-440Hz		
Consumption	700VA		
MECHANICAL			
	1.6M	2.0M	2.4M
# of cases	6	7 (8 for C-Band)	7 (8 for C-Band)
System weight per case	<175 lbs.	<175 lbs.	<175 lbs.



OUTDOOR MODEM (ODU)

- MIL-STD-810G tested
- Rugged design for outdoor usage
- Embedded Ethernet switch
- Intuitive front panel display
- Optional beacon receiver

ENVIRONMENTAL	
Temperature	Operational: -32°C to +55°C Storage: -46°C to +71°C
Wind Loading	30 mph, gusting to 45 mph, with anchors
CERTIFICATIONS	
MIL-STD-810G, ARSTRAT (X- & Ka-Band), Inmarsat Global Xpress	

GCS

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