



## DATAPATH | V-SNAP Fly-Away

### COMPACT, PORTABLE COMMUNICATIONS FOR REMOTE LOCATIONS

The DataPath VSAT SIPR/NIPR Access Point Portable (V-SNAP) Fly-Away is a WGS-compatible solution that provides forward-deployed outposts with a portable earth terminal to quickly establish secure voice, video and data communications virtually anywhere, at any time.

Packed in function-oriented transit cases, the DataPath V-SNAP Fly-Away supports high-capacity SIPRNet/NIPRNet EoIP satellite networks. The terminal is easily transported in a HMMWV or helicopter to establish communications links where no infrastructure exists, including areas too remote for larger earth terminals. With a rapid set-up and tear-down design, the flyaway enhances mobility and minimizes exposure in vulnerable positions throughout your mission.

The DataPath V-SNAP Fly-Away operates in Ka, Ku and X bands, supporting up to 52 Mbps of transmission bandwidth to provide field intelligence with back-haul and live reach-back connectivity to command networks. Designed to interface with existing JNN and DKET networks currently deployed in Southwest Asia, this terminal enables you to capitalize on current communications inventory while increasing the capacity and flexibility of your networks.

These expeditionary terminals are battle-proven and can be configured to meet your unique needs. Currently, DataPath fly-away terminals are used by the U.S. Army Stryker Brigade, the U.S. military Provisional Reconstruction Teams in Afghanistan and the U.S. Army National Guard for its domestic Joint Incident Site Communications Capability (JISCC) program.

As part of a complete solution, the DataPath V-SNAP Fly-Away is supported by DataPath's field services that help you effectively maintain, monitor and service your communications networks. In addition, DataPath's MaxView Network Management System provides a universal view of your network from one screen, resulting in superior information management and decision-making.

#### At a Glance:

##### DataPath V-SNAP Fly-Away

- An enhanced replacement for the AN/USC-60
- Rugged, compact and portable earth terminal
- Two-man lift; HMMWV and helicopter transportable
- Automatic satellite acquisition
- Robust connectivity, EoIP capabilities
- Tri-band; Ka, Ku and X band ready
- Less than 20 minutes to set up
- MaxView® software provides network management and control



The DataPath V-SNAP Fly-Away is a compact yet powerful earth terminal specifically configured to interface with existing JNN and DKET networks.

<b>GENERAL SPECIFICATIONS</b>			
Configuration	Multiband, fly-away portable terminal		
Antenna size	2.0 M, 1.2 M		
Antenna control	Automatic or manual deploy, acquire and stow, GPS and Flux Gate compass		
Modem configuration	Single or multiple modem configurations available (Linkway, iDirect, EBEM, JIPM)		
Data rate per carrier	Up to 52 Mbps		
Amplifier configuration	Multiple power and band configurations available		
Upconverter configuration	Typically embedded HPA's		
Downconverter configuration	Typically embedded in LNB's		
IF frequency	L band (950 – 2050 MHz)		
Applications	TDMA, FDMA / SCPC		
Compliance / certifications	Intelsat, Eutelsat and FCC compliant		
Standard baseband IFL length	100 ft. (other options available)		
Management / Control system	DataPath's MaxView© Network Management System on ruggedized laptop		
<b>RF PARAMETERS</b>	<b>Ka Band</b>	<b>Ku Band</b>	<b>X Band</b>
Rx (GHz)	20.2 – 21.2	10.95 – 12.75	7.25 – 7.75
Tx (GHz)	30.0 – 31.0	14.00 – 14.50	7.90 – 8.40
Number of ports	2	2	2
Polarization	Circular	Linear	Circular
<b>ANTENNA (G/T – EIRP)</b>	<b>Ka Band</b>	<b>Ku Band</b>	<b>X Band</b>
1.2 M	23.1 dB/K   61.5 dB/W	21.2 dB/K   59.1 dB/W	—
2.0 M	27.5 dB/K   65.7 dB/W	25.4 dB/K   63.7 dB/W	21.8 dB/K   62.7 dB/W
<b>TYPICAL ELECTRICAL PARAMETERS</b>			
System voltage / frequency	95/265 VAC 1Ø/50 – 60 Hz		
Power source inputs	1		
Power consumption	2.8 KVA (terminal dependent)		
UPS run-time	10 mins.		
<b>TYPICAL MECHANICAL PARAMETERS</b>			
Installation time	< 20 min.		
Military vehicles	HMMWV, other medium military transport, helicopter, Milair UH-60, C-130		
Commercial transport	Land, air and sea		
System weight	400 lbs. to 1,000 lbs. depending on system configuration		
Transport cases	4 to 10 cases depending on system configuration; umbilical connections between cases		
<b>TYPICAL ENVIRONMENTAL PARAMETERS</b>			
Humidity	Up to 95% non-condensing		
Temperature (operational)	10° to 50° C		
Temperature (storage)	-20° to 60° C		
Winds (operational)	35 MPH		
Winds (survivable)	60 MPH		
Altitude (operational)	10,000 ft. (maximum)		
<b>OPTIONAL EQUIPMENT</b>			
Extended IFL	Available		
IFL options	Fiber with TFOCA II connectors, copper		
Integrated test equipment	Available		
Back-up generator	Available		
XSTAR polarization	Available for X Band configured terminals		
Modulation	Most advanced modulation solutions (modem dependant)		
Interactive training CD	Available		
Orderwire and TSSP	Available		