



## DATAPATH | SPOP Fly-Away

### COMPACT, PORTABLE COMMUNICATIONS FOR REMOTE LOCATIONS

Rugged, secure communications solution delivers robust connectivity anytime, anywhere

The DataPath Secure Point of Presence (SPOP) Fly-Away is a WGS upgradeable earth terminal that provides forward-deployed outposts with a portable solution to quickly establish secure voice, video and data communications virtually anywhere, at any time.

Packed in function-oriented transit cases, the DataPath SPOP 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 fly-away enhances mobility and minimizes exposure in vulnerable positions throughout your mission.

The DataPath SPOP Fly-Away operates in the standard Ku band, supporting up to 10 Mbps of full duplex transmission data rates (upgradeable) 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 SPOP Fly-Away is supported by DataPath services that help you effectively maintain, monitor and service your communications networks. In addition, DataPath's MaxView software provides a universal view of your network from one screen, resulting in superior information management and decision-making.

#### AT A GLANCE ...

##### DataPath SPOP Fly-Away

- Rugged, compact, portable, cost-effective solution
- Two-man lift; HMMWV and helicopter transportable
- Automatic satellite acquisition
- Robust connectivity, EoIP capabilities
- Rapid set-up and tear-down design for enhanced mobility
- MaxView® software provides network management and control



The compact configuration allows the DataPath SPOP Fly-Away terminal to be easily transported for rapid set-up and tear-down.



<b>GENERAL SPECIFICATIONS</b>	
Configuration	Fly-Away portable terminal
Antenna type	2.0m parabolic, offset/single optic feed
Antenna control	Automatic or manual deploy, acquire and stow, GPS and flux gate compass
Modem configuration	Linkway 2100 or Linkway S2, additional rack space and RF assembly for GFE modem
Data-rate per carrier	Up to 10 Mbps full duplex data rate (upgradable)
IF frequency	L band (950 – 2050 MHz)
Applications	TDMA, FDMA / SCPC
Compliance	Intelsat, Eutelsat and FCC compliant
IFL	100 ft.
Management system	DataPath's MaxView monitor and control software
<b>RF PARAMETERS</b>	
Rx (GHz)	10.95 – 12.75
Tx (GHz)	14.00 – 14.50
Ports	2
Polarization	Linear
<b>ANTENNA (G/T – EIRP(P1dB))</b>	
2.0m	25.2 dB/K – 63.5dBW
<b>TYPICAL ELECTRICAL PARAMETERS</b>	
System voltage	96/265 VAC, 1 phase, 50/60 Hz
Power consumption	1.4 kW / 2kVA, UPS
Generator	6kW, Diesel Hatz engine
<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
Weight	1450 lbs.
Transport configuration	9 crates and 1 industrial portable generator
<b>TYPICAL ENVIRONMENTAL PARAMETERS</b>	
Temperature	10° to 50° C (operational)
Temperature	-20° to 60° C (storage)
<b>NETWORK INTERFACE</b>	
Physical	802.3 (Ethernet/RJ45)
Supported users	Up to 50 users depending on modem and application, expandable
Encryption	Split NIPR/SIPR architecture, 256 AES, shelf for GFE crypto device (TACLANE)
Typical apps	VoIP, VTC, file transfer, command & control
Protocol	Layer 2: Ethernet, layer 3: IP
Routing protocol	EIGRP / OSPF / RIP / IGRP / BGP
IP Acceleration	Comtech EF Data™ TurboIP Performance Enhancing Proxy