PUMA COMMUNICATIONS RELAY





EXTEND TACTICAL COMMS NETWORK CONNECTIVITY IN MULTI-DOMAIN OPERATIONS

The rapidly deployable Puma Communications Relay Kit combines the class-leading ISR capabilities of Puma 3 AE and Puma LE with high data rate throughput, extended range, and scalable mesh network of Commercial-Off-The-Shelf Mobile Ad-Hoc (COTS MANET) radios, such as the Silvus StreamCaster 4200, Persistent Systems MPU5, and DTC SDR-H2 radios. Extend the operational range of your communications networks for distributed manned and unmanned operations.

COMMUNICATIONS RELAY TO SUPPORT MULTIPLE PLATFORMS THROUGH PUMA



MANET Node In The Sky

PUMA COMMUNICATIONS RELAY



SPECIFICATIONS

	DIMENSIONS	Wingspan: 15 ft (4.6 m); Length: 7.3 ft (2.2 m) Weight: 23.3 lb (10.6 kg)	DIMI
	LINK RANGE	20 km, 60 km with LRTA	LINK
	ENDURANCE	6.5 hr with Mantis i45 and PS2500 Battery 5+ hr with Puma Comms Relay Payload, depending on radio and overall configuration	END
	MAX FLIGHT ALTITUDE	10,500 ft (3,200 m) Max. launch 10K ft (3,048 m) MSL	MAX Alti
	NOMINAL WEIGHT of comms relay kit	Approx. 2.6-3.3 lb, depending on radio and overall configuration	NOM Of C Rel <i>i</i>
	SOFTWARE REQUIREMENTS	Standard Software	SOF REQ

DIMENSIONS	Wingspan: 9.2 ft (2.8 m); Length: 4.6 ft (1.4 m) Weight: 15.4 lb (7 kg)
LINK RANGE	20 km, 60 km with LRTA
	3 hr with Mantis i45 and PS2500 Battery
ENDURANCE	2+ hr with Puma Comms Relay Payload, depending on radio and overall configuration
MAX FLIGHT Altitude	10,500 ft (3,200 m) Max. launch 10K ft (3,048 m) MSL
NOMINAL WEIGHT of comms relay kit	Approx. 2.6-3.3 lb, depending on radio and overall configuration
SOFTWARE REQUIREMENTS	Requires Heavy Lift Software

SUPPORTS VARIOUS MANET RADIO OPTIONS

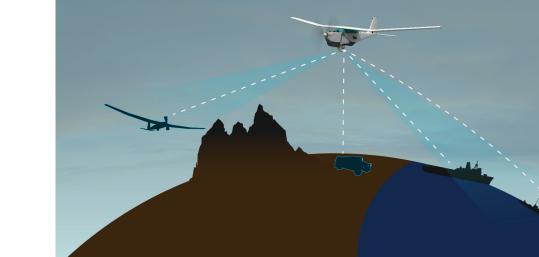
Silvus SC 4200

Persistent Systems MPU5

Domo Tactical SDR H2

3rd party radios

COMMUNICATIONS RELAY ON SHORE AND OFF-SHORE



AeroVironment – ph: 703 418.2828 – www.avinc.com // © 2024 AeroVironment, its product names and the AV logo are protected trademarks of AeroVironment Inc. All other company, product names, logos, and brands are property of their respective owners and are for identification purposes only. Use of these names, logos, and brands does not imply endorsement. Screen images may be simulated. All specifications are subject to change. This data sheet consists of AeroVironment, Inc. general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms Regulations (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11.

