



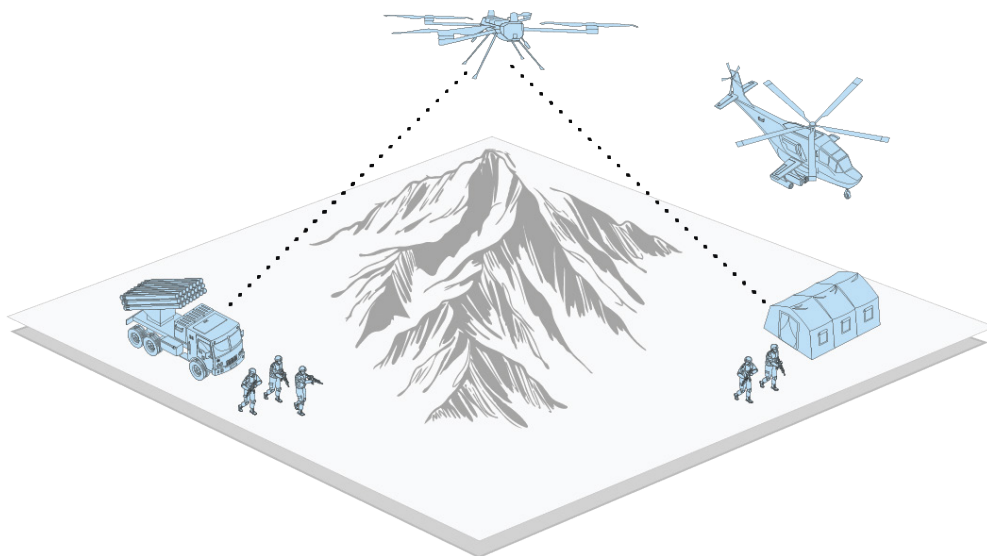
C100 + MANET Communication Relay

Advanced mesh network technology for C100 operations at the tactical edge

C100 + Silvus StreamCaster

Designed to complement the C100 platform's capabilities, the MANET Communication Relay provides teams with radio and network extension across the formation. The MANET Communication Relay uses the Silvus StreamCaster radio to provide high-fidelity video, voice and data communications, delivering actionable intelligence in any operational environment.

This greatly boosts communication range, enables high-bandwidth radio transmission for ISR missions, and increases signal resilience in contested environments, all while maintaining the portability and tactical edge the C100 is known for.



- Single Band (2200-2500MHz), 20/10/5 MHz Bandwidth (2.5/1.25 Option)
- Up to 100 Mbps Data Rate
- Software Defined Radios are future-proofed via Firmware Updates
- Encryption - AES256; FIPS 140-3 Level 2

PDW® C100 + MANET Communication Relay

Version	Model	Weight (Payload) grams / lbs.	Operating Power (W)	Operating Voltage (V)	Environmental	Temperature (C)	Endurance C100
MANET Communication Relay (air)	Silvus Stream-Caster 4400 4x4 S Band MIMO radio, 20 Watts,	1828 grams 4 lb. total weight	8W - 24W @ 1W TX Power 8W - 43W @ 8W TX Power 8W - 100W @ 20W TX Power	18V operating	IP 68	-40 to 65	55 Minutes without ISR payload
MANET Communication Relay (ground)	Stream-Caster 4200 2x2 S Band MIMO radio, 10 Watts	1075 grams 2.37lb Extra battery: 370 grams, 0.816 lb.	5W - 48W @ 10W TX Power	9-20V	IP 68	-40 to 65	N/A

Features

Specifications



Folded / Unfolded	24" x 15" x 8" / 64" x 65" x 11"
Weight	21.4 lbs (9.7 kg)
Max Payload Mass	Up to 10 lbs (4.5kg) with Long Endurance Batteries
Long Endurance Battery	74 minutes with ISR Payload
Range	6.2+ miles (10+ km)
Cruise Speed	Cruise mode: 40.3 mph (64.8 km/h) Base mode: 22.4 mph (36 km/h) Safe mode: 4.9 mph (7.9 km/h)
Max Speed	40 mph (64.8 km/h)
Wind Limits	30 mph sustained, 40 mph gust - ISR configuration 25 mph sustained, 35 mph gust - up to 5lbs gross payload weight 20 mph sustained, 30 mph gust - up to 10lbs gross payload weight
Night Operations	Zero-light emission mode // IR LEDs + Strobe Lights
Acoustic Signature	61dB @ 5m away / non-audible at 600 meters

