

Gray Eagle 25M

STANDOFF SURVIVABILITY WITH STAND-IN CAPABILITY



Enabling Information Dominance



Gray Eagle 25M

STANDOFF SURVIVABILITY WITH STAND-IN CAPABILITY

Robust Multi-Domain Capability for Mission-Based Requirements

Gray Eagle 25M, the latest addition to General Atomics Aeronautical Systems, Inc.'s family of high-performance unmanned aircraft systems, provides long-endurance Reconnaissance, Surveillance, and Target Acquisition (RSTA) at the division level as the decisive unit of action in large-scale combat operations. Conforming to MOSA/FACE principles and able to easily interface with a host of cutting-edge multi-INT sensors for mission-based customization, Gray Eagle 25M enables capability advancements at the speed of emerging threats.



FEATURES

- MOSA and FACE 3.0-aligned aircraft and ground architecture
- Controllable from U.S. Army Laptop Control Station
- Resilient GPS and communications
- Triple-redundant flight control system
- Dual-redundant flight control surfaces (ailerons, flaps, and ruddervators)
- Automatic takeoff and landing
- De-icing capability for wings and tails
- TCDL line-of-sight communications
- Over-the-horizon Ku- and Ka-band SATCOM
- Over 90% system operational availability
- C-130 transportable
- Dual-rail Hellfire pylons
- Software-defined UHF, VHF, SINCGARS, and Link 16 communications
- Matching 2,500-hour TBR on engine, gearbox, generators, and high-pressure fuel pump

CHARACTERISTICS

WINGSPAN	58 ft	17 m
LENGTH	28 ft	9 m
POWER PLANT	HFE 2.0 - 200-hp heavy-fuel engine	
MAX GROSS TAKEOFF WEIGHT	4,400 lb	1,996 kg
FUEL CAPACITY	900 lb	408 kg
PAYLOAD CAPACITY	400 lb, internal 500 lb, each wing 500 lb, centerline	181 kg 227 kg 227 kg
WEAPONS	8 Hellfire missiles	
POWER	Brushless 28 Vdc/14 kW (redundant 7-kW generators)	
PAYLOADS	EO/IR Long-range SAR with GMTI and maritime capability Communications relay	
TAILORABLE MISSION CAPABILITY	COMINT ELINT AIR-Launched Effects (ALEs)	

MAXIMUM PERFORMANCE

ALTITUDE	25,000 ft
ENDURANCE	40+ hr
AIRSPEED	167 KTAS