

BAYRAKTAR AKINCI



BAYKAR



TECHNICAL FEATURES

Service Ceiling	40,000 ft
Operational Altitude	30,000 ft
Communication	LOS, BLOS, Missile Data Link (Optional)
Operational Range	6,000 km
Endurance	24+ hours
Cruise Speed	150 KTAS
Max. Speed	240 KTAS
MTOW	6,000 kg
Payload Capacity	1,500 kg
Takeoff/Landing/Cruise/Taxi	Autonomous
Power Plant	Turboprop Engines (2x450 hp, 2x750 hp or 2x850 hp)
Payload	Simultaneous EO/IR/LD, SIGINT, Electronic Warfare Support Systems, Multi Mode AESA Radar, Maritime Surveillance Radar
Payload-Weapons	Laser Guided Munitions, INS/GPS Guided Munitions, IR Guided Munitions, Air to Air Missiles (AAM), Standoff Weapons, Cruise Missiles, Mini Cruise Missiles
Versions	AKINCI-A, AKINCI-B and AKINCI-C
Wingspan	20 m
Length	12.2 m
Height	4.1 m

CAPABILITIES

Fully Autonomous Flight Control and Triple Redundant Autopilot System
Semi-Autonomous Flight Modes Support
SATCOM BLOS + Triple Redundant LOS Link System
Fault-Tolerant and Triple Redundant Sensor Fusion Application
Retractable Landing Gear System and Gimbal Camera System
Airborne Radio and Relay Capacity

ADVANCED FEATURES

Enhanced Autonomy and Artificial Intelligence
Error-Resilient System Architecture
Redundant Servo Actuator Units
Cross-Redundant Ground Control Station
Precise Auto Takeoff and Landing with Built-in Sensor Fusion
Fully Autonomous Takeoff and Landing Independent of Ground Control Systems
Adaptability to Different Mission Profiles

AKINCI

The AKINCI is a sophisticated and strategic unmanned combat aerial vehicle (UCAV) designed for superiority across land and maritime domains. This high-performance, twin-engine aircraft delivers exceptional range and endurance for critical intelligence, surveillance, target acquisition, and reconnaissance (ISTAR) missions.

Beyond intelligence gathering, AKINCI is a potent strike platform capable of executing precision air-to-ground and air-to-air missions. Its versatility extends to maritime security operations, including anti-submarine warfare (ASW), surface warfare (SuW), and coastal patrol missions.

Deployed by multiple nations, AKINCI provides a reliable and operationally proven solution for a diverse spectrum of modern operational challenges.

