



F-16 Block 70/72

The World's Most Advanced 4th Generation Fighter

LOCKHEED MARTIN 



Meet the F-16 Block 70/72 — The World's Newest and Most Advanced Production F-16

ADVANCED, INTEGRATED CAPABILITIES

The Block 70/72 combines:

- Advanced avionics
- Proven active electronically scanned array (AESA) radar
- Modernized cockpit with new safety features
- Advanced weapons
- Conformal fuel tanks
- High-performance engine
- Industry-leading extended structural service life of 12,000 hours

Operational capabilities are enhanced through:

- Advanced data link and targeting pod, with advanced weapons
- Infrared search and track (IRST) system
- Precision GPS navigation
- Proven lifesaving Automatic Ground Collision Avoidance System (Auto GCAS)

Additionally, the new Block 70/72 mission computer combines state-of-the-art computing capabilities for weapons and avionics into a single system. This results in more capability for the pilot and jet, with affordable software upgrades over time.

ADVANCED AESA RADAR AND ELECTRONIC WARFARE SUITE

A new advanced APG-83 AESA radar gives pilots greater situational awareness and flexibility, with quicker all-weather targeting. The APG-83 provides F-16s with 5th Generation fighter radar capabilities by leveraging hardware and

software commonality with F-22 and F-35 AESA radars. The AESA radar is integrated with an advanced internal electronic warfare system incorporating a digital radar warning receiver (DRWR) and jammer technology. This ensures that pilots survive and defeat adversaries in dense radio frequency threat environments.

ENHANCED BATTLESPACE AWARENESS

The Block 70/72's new center pedestal display (CPD) provides critical tactical imagery on a high-resolution 6-by-8-inch screen, allowing pilots to fully utilize AESA and targeting pod data. The new CPD features color moving maps, larger and easier-to-manage air-to-air situation displays, zoom functionality with the ability to switch information among displays, and a digital display of flight instrument data. These enhancements, whether delivered in new-production aircraft or as retrofit modifications to existing aircraft, ensure that the F-16 will continue to fly and fight into the 2060s and beyond.



1. Left Photo: F-16 Production Line in Greenville, South Carolina
2. Center Photo: New Advanced Block 70/72 Cockpit
3. Right Photo: APG-83 Active Electronically Scanned Array (AESA) Radar

F-16 Block 70/72 Fast Facts

- Advanced APG-83 AESA radar
- Radar mode improvements
- Upgraded mission computer and avionics architecture
- Infrared search and track (IRST)
- Advanced data link, targeting pod and weapons
- New cockpit displays and safety improvements
- New digital flight control computer with enhanced autopilot/auto throttle
- Automatic Ground Collision Avoidance System (Auto GCAS)
- Digital intercommunications system with 3D audio
- Precision navigation with GPS/Inertial Navigation System

F-16 BLOCK 70/72

Length	49.3 ft/15.027 m
Height	16.7 ft/5.09 m
Speed	1,500 mph (Mach 2+)
Wingspan	31 ft/9.449 m
Empty Weight	20,300 lb/9,207 kg
Engine Thrust Class	29,000 lb/13,000 kg
Maximum TOGW	48,000 lb/21,772 kg
Design Load Factor	9 g
Service Life	12,000 hr

OPERATORS PAST AND PRESENT

