



The Israel Air Force (IAF) is a pillar of Israel's strength. Its feats and accomplishments in full-scale wars and other military operations and its on-going contribution to routine security missions have earned it international fame.

The IAF is a cornerstone of Israel's national defense doctrine, providing a deterrent against aggressive intentions and a solid shield in any conflict. The human factor, along with the state-of-the-art equipment developed by the Israeli defense industry and employed by the IAF enable it to fight and win on the modern battlefield, to withstand sophisticated threats and provide the IDF – and the State of Israel – with the gift of clear skies.

ISRAEL MINISTRY OF DEFENSE

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INTERNATIONAL DEFENSE COOPERATION

SIBAT is an essential agency within the Israeli Ministry of Defense (IMOD).

SIBAT conducts the marketing and sale of Israel's entire defense inventory which is released by the Israel Defense Forces (IDF) and the Israel Ministry of Defense (IMOD).

SIBAT is your one-stop reference for a complete range of combat-ready air, sea and land systems, including communications and optronics, all backed by the IMOD.

We offer you our total package approach, including on-going after-sale support, spare parts and Integrated Logistic Support (ILS).

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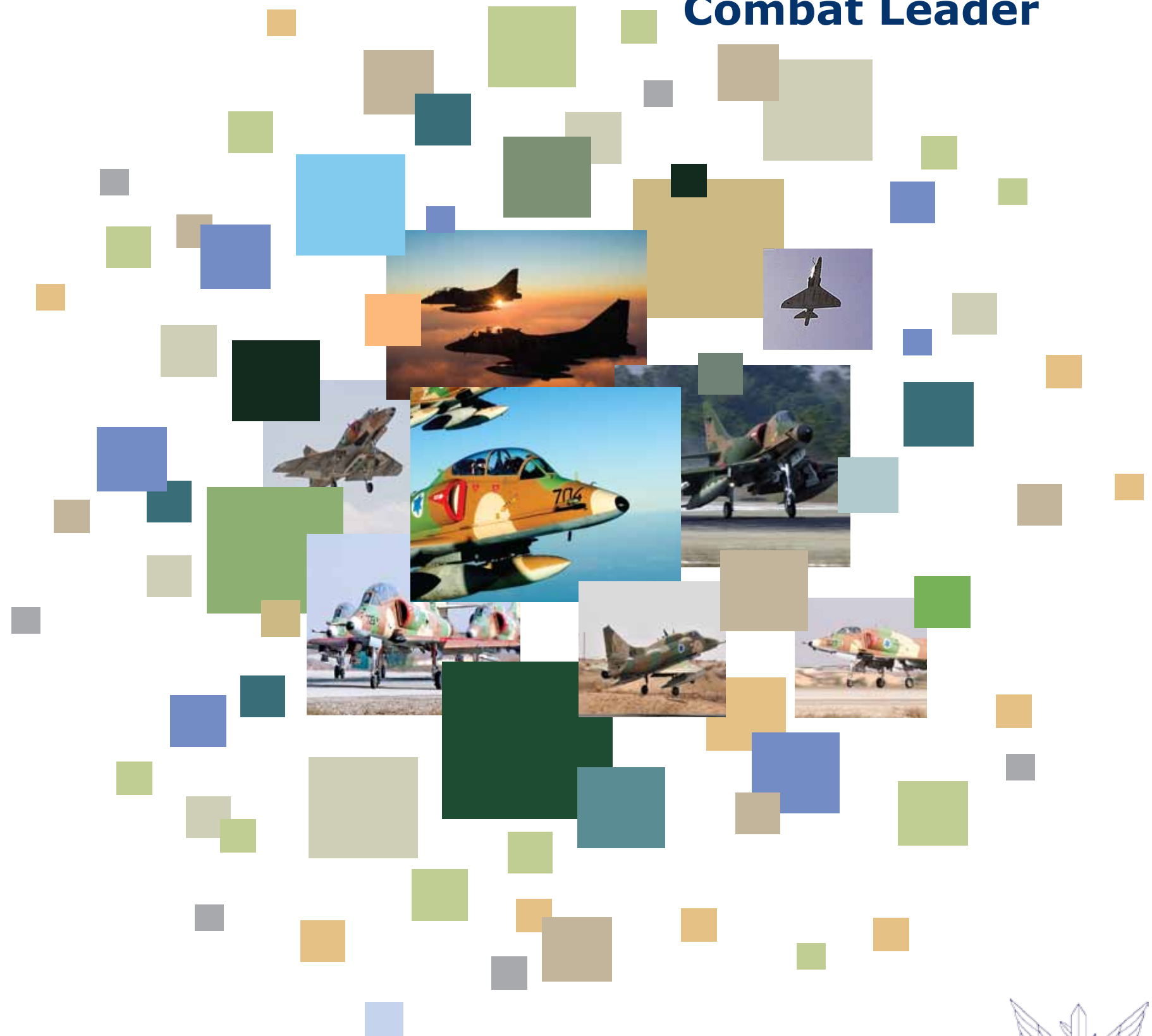


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# A-4-N/T SKYHAWK

## Prime Trainer and Combat Leader



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The A-4-N/T SKYHAWK

is a multi-role fighter aircraft. Its unique features have been proven in air-to-surface strike missions and in air-to-air combats.

One of the best trainer aircraft, Skyhawk is a reliable, low-cost, high performance training platform that has been operated successfully in many air forces worldwide.

The A-4 was originally designed for air-to-ground strikes. One of its most important features is its weight carriage ability and its ordnance capabillity.

Its air refueling and tank carrying abilities extend its operational radius and its small dimensions make the aircraft very easy to fly and highly maneuverable.

Thousands of young pilots have trained on A-4 during their first years as pilots in the IAF and worldwide. The A-4 was designed for carrier landings as in the US Navy aircraft and can withstand very tough landings. The aircraft also uses a drag chute system, which enables to land on short runways.

The A-4 can also be used as a small tanker and for air refueling, with addition of a special fuel tank.

General Characteristics

**Primary function:** Attack bomber, trainer.

**Builder:** McDonnell Douglas

**Crew:** One pilot/Two pilots

Dimensions

Length	41.71 ft (12.72 m)
Wingspan	27.50 ft (8.38 m)
Height	14.98 ft (4.57 m)
Wing area	260 ft² (24.2 m²)

Weight

Empty	10,684 lb (4,808 kg)
Max take off	27,400 lb (12,330 kg)
Fuel capacity	Internal : 807 gallons (5400 lb) External : 1000 gallons
Max payload	1000 lb (4500 kg)

Propulsion

Power plant	One Pratt & Whitney j-52
A4N	P408 turbo jet engine
A4T	P8 turbo jet engine
Thrust	11,200 lb

Performance

Max level speed	At alttitude: 595 mph (955 km\h) at 34,000 ft (955 km\h) At sea level : 700 mph(1,130 km\h)
Max alttitude	45,000 ft
Range	Typical : 800 nm(1,480 km) Ferry: 1,790 nm(3,310 km)

Armament

Gun	Two DEFA 552\553 30-mm cannons (150 rounds each)
Stations	5 external hard points
Air – to – Air Missile	AIM – 9 sidewinder , Shefrir
Air-to-Surface Missile	MK – 82 / MK – 83

IAF Improvements

IAF improvements implemented in the A-4 include:

- j-52P408 engines, which are the most powerful engines installed in any A-4 model.
- 30mm DEFA cannons.
- Unique installation of tail pipe extension against IR missiles. The tail extension reduces the aircraft IR signature making it less vulnerable.

Avionics Systems Upgrade

The upgrade avionics package is tailored to the customer's needs and in general can include:

- A glass cockpit, which provides the pilot with the relevant information for the specific mission, displayed on the Head Up Display (HUD).
- Ring Laser Gyro Inertial System with an embedded GPS. This allows for precise navigation and bombing capability.
- Enhanced operation implementation with the Hand On Throttle and Stick (HOTAS) and Head Up concept.

Support and Potential Improvement

- Aircrew training
- Technical qualifications training
- Technical documentation
- Operating guidance
- Spare parts package
- Aircraft systems upgrades - mission planning briefing and debriefing system.
- Munitions
- Advanced modification and improvements implementation
- High quality standards in use and maintenance of the platform
- Package that includes training and qualification for aircrews and technical crews, flight simulators, spare parts and potential upgrades