

Portable Air Defense Missile
Weapon System

Type **FN-16**



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▶ General Description

FN-16 is a new generation portable air defense missile weapon system adapting to future battlefield environment. It is mainly used for battlefield air defense to intercept low altitude and ultra-low altitude air targets. It adopts advanced technologies such as IR/UV two-color rosette scan quasi-imaging seeker, full digitization design, laser proximity fuse, high energy motor to achieve strong anti-interference capability.

▶ Principal Data

<u>Targets</u>	fighter-bomber, attacker, armed helicopter, UAV, cruise missile etc.
<u>Operation Air Space</u>	
-Effective altitude	10~4,000 m
-Effective slant range	500~6,000 m
-Max. course short-cut	3,000 m
-Single shot killing probability	≥80%
-Reliability	≥0.90
<u>Missile Specification</u>	
-Diameter	72 mm
-Length	≤1,600 mm
-Weight	≤11.5kg
-Flight velocity	≥600 m/s (in cruising course)
-Overload	≥18 g
<u>Combat Equipment</u>	
-Total weight	≤18 kg
-Total length	≤1.7 m
<u>Guidance System</u>	Infrared/Ultraviolet dual color rose scan
<u>Guidance Accuracy</u>	
-Against helicopter (low speed)	≥95% (within 1.5m diameter)
-Against jet (high speed)	≥95% (within specific zone)