



DUTY
HONOR
SERVICE

MINNESOTA
NATIONAL GUARD
ESTABLISHED 1856

RESPECT
INTEGRITY
EXCELLENCE

EQUIPMENT NAME

Mission

To provide the primary artillery support for armored and mechanized infantry divisions

Entered Army Service

1963

Description and Specifications

The technologically-advanced self-propelled cannon system in The U.S. Army. The "A6" designation identifies several changes to the standard model that provide improvements to weapon survivability, responsiveness, reliability, availability and maintainability, armament and terminal effects. The fire-control system is fully automated, providing accurate position location, azimuth reference and on-board ballistic solutions of fire missions. The howitzer has a servo-driven, computer-controlled gun drive with manual backup. Paladin uses state-of-art components to achieve dramatic improvements in the following:



Survivability: "Shoot and scoot" tactics; improved ballistic and nuclear, biological and chemical protection.

Responsive fires: Capable of firing within 45 seconds from complete stop with on-board communications, remote travel lock and automated cannon slew capability.

Accurate fires: On-board POSNAV and technical fire control.

Extended range: 30 km with HE RAP and M203 propellant.

Increased reliability: Improved engine, track and diagnostics.

Upgrades include: global positioning system-aided self-location, M93 Muzzle Velocity System, and commercial off-the-shelf-based computer processor.

<i>Max unassisted range:</i>	22,000 m
<i>Max assisted range:</i>	30,000 m
<i>Minimum range:</i>	4,000 m
<i>Max rate of fire:</i>	4 rounds/min for 3 minutes
<i>Sustained rate of fire:</i>	1 round/min (dependent on thermal warning devices)
<i>Max speed:</i>	38 mph
<i>Weight (empty):</i>	56,400 lbs
<i>Weight (combat loaded):</i>	approx. 63,615 lbs
<i>Crew:</i>	4 (accompanying M992 FAASV-5)

Information courtesy Army.mil

Manufacturer

United Defense, TRW

FOR MORE INFORMATION, CONTACT: Minnesota National Guard Public Affairs at public.affairs@mn.ngb.army.mil or go to www.MinnesotaNationalGuard.org/press_room/fact_sheets/military_equipment.php for a list of equipment used by the Minnesota National Guard.