

HQ-16 Missile

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HQ-16 Missile Latest News

The United States military publicly unveiled a mockup of a Chinese HQ-16 surface-to-air missile system, drawing attention at this year's Experimental Aircraft Association 'AirVenture Show' in Oshkosh, Wisconsin.

About HQ-16 Missile

- The HQ-16, known by its **NATO designation CH-SA 16**, is a **medium-range surface-to-air missile (SAM)** system **developed by China** and based heavily on Russia's Buk missile family.
- It is designed to engage enemy aircraft, cruise missiles, helicopters, and unmanned aerial vehicles.

HQ-16 Missile Features

- HQ-16 features a **vertical launch system**, giving it **360-degree coverage** and the capability to fire in a complicated geographical environment.
- The missile system is **mounted on a** Chinese-designed **6x6 high mobility chassis** instead of tracked platforms, providing ease of maintenance and better road mobility.

- **Each launch vehicle** carries up to **6 missiles**.
- The missile weighs 650 kg, has a length of 5.2 m and a diameter of 0.34 m.
- It can intercept flying aerial targets at altitudes of 15 km to 18 km.
- The **maximum interception range for aircraft is 40 km**, between 3.5 km and 12 km for cruise missiles flying at 300 m/s.
- The missile **guidance system** comprises **inertial guidance and semi-active radar homing at the terminal phase**.

Source: EURT

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