



Gepard 3.9

Mission

The Gepard 3.9 class frigate is designed to search, track and counter enemy surface, underwater and air targets, either independently or as part of a group, perform convoy operations, patrols and protection of the state border and maritime Exclusive Economic Zone.

Armament and equipment

Aviation

- Ka-28 helicopter (with ammunition load) or Ka-31 helicopter;
- hangar;
- helipad;
- air-technical equipment.

Strike missiles

- Uran-E shipborne missile system or Club-N integrated missile system;
- 3Ts-25E or Mineral-ME radar.

Artillery

- 1x76mm AK-176M or 1x100mm A-190 Universal lightweight naval gun;
- 2/3xAK-630M CIWS or 2/3xPalma gun/missile air defense systems;
- 2x7.62mm PKMB machine gun;
- 2x14.5mm MTPU naval pedestal machine gun mount.

Artillery fire control systems

- Laska-M or Palma-SU radar.

Air defense missile weapon

- Shtil-1 SAM system;
- 3M-47 Gibka turret launcher for Igla (Igla-S) MANPADS.

ASW weapon

- 2xDTA-53 twin-tube torpedo launchers;
- RPK-8E antisubmarine rocket system with the Purga control system.

Electronic countermeasures



- BOT-E/Zmey or MG-94ME/MG-104EM-D sonar countermeasures device;
- 4x10 PK-10 decoy launcher system;
- TK-25E-2 or MP-405-1E ECM system;
- Spektr-F4 laser detection equipment.

Radio equipment

- Pozitiv-ME1/ME1.2 active radar or Fregat MAE/AE-1/AE-2 radar;
- Podzagolovok-23E electromagnetic compatibility system;
- Ogon-M infrared joint night sailing system;
- 67R IFF system;
- Gorizont-25 integrated navigation system.

Sonar equipment

- MGK-335EM-03 sonar system with underkeel antenna;
- Viniyetka-EM sonar station.

Communications equipment

- Rubin-EG automated communications system;
- GMDSS communications system.

Combat Information Control System (CICS)

- Sigma-E;
- Blokirovka-3.9 joint safe weapon employment system.

Special devices

- active stabilizers;
- underway fueling-at-sea device.

Main characteristics:

- Full displacement, t: up to 2500
- Main dimensions (length x beam x draft), m: 102.2 x 13.1 x 5.3
- Speed, knots:
 - full: 28
 - cruising: 18
 - economic: 10
- Cruising range at economic speed, n.m.: approx. 5,000
- Seaworthiness:
 - stay at sea: unlimited



- weapon employment: 5
- Main propulsion plant: two-shaft CODOG
- Propulsive output, kW: 2x11300+1x5890
- Endurance, day: 20
- Complement: 103





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