

CL-650 Maritime Patrol Aircraft MPA/ASW

ELI-3360

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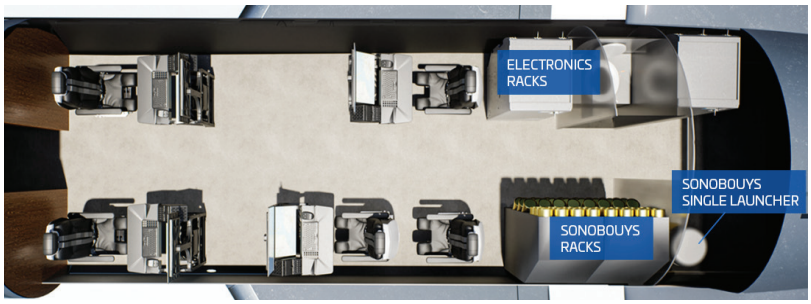
CL-650 MPA/ASW (ELI-3360) is an all-weather, multi-mission, long-range Maritime Patrol Aircraft (MPA) with Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW) capability integrating ELTA's operationally proven sensors and mission systems with a high-performance mid-size business jet from Bombardier Challenger 650. The platform is enhanced with an Acoustics Sensor Suite, Weapon Delivery System, Torpedo or Air to Surface Missiles (ASM) and Sonobuoy Launch System (SLS).



Equipped with an advance Active Electronically Scanned Array (AESA) multi-mode radar from the ELTA's world-renowned airborne radar family, CL-650 MPA/ASW provides exceptional maritime, ground and aerial surveillance, imaging, tracking and target acquisition at extended ranges. This high-performance radar can rapidly and comprehensively survey large maritime areas at high altitudes and high flight speeds and identify a wide range of targets, from small speed boats and periscopes to large warships, ensuring comprehensive coverage and strike capability.

The aircraft supports open architecture and is equipped with an Electro-Optic Infra-Red (EO/IR) Imaging payload for day and night observation, an Automatic Identification System (AIS), and a Search and Rescue - Direction Finder (SAR-DF). It can easily be augmented with additional sensors for Signals Intelligence (SIGINT) and a Self-Protection Suite. The entire payload suite is managed by ELTA's Multi-Mission Management System which incorporates AI and ML.

Missions

- Anti-Submarine Warfare (ASW) & Anti-Surface Warfare (ASuW)
- Exclusive Economic Zone (EEZ) Maritime Patrol
- Maritime Domain/Situational Awareness
- Search & Rescue

System Characteristics

- Effective operation and wide area coverage at high altitudes
- Efficient mission profiles and low maintenance requirements for both aircraft and mission sensors
- Advanced Mission Management System with automated on-board processes
- Open architecture for future integration

Customers can select from a wide variety of sensors and communications integrated with a Multi-Mission Management System:

Sensors	ELM-2022/2025 Multi-Mission Radar	ESM/ELINT and CSM/COMINT
	Automatic Identification System (AIS)	Acoustics Sensor Suite
	Identification Friend or Foe (IFF)	Environmental Monitoring Sensors
	Multispectral EO/IR System	SAR-DF
Self-Protection Suite	Radar Warning & Locating System	Chaff & Flares
	Missile Approach Warning System	RF-Jammer
C4I	Voice and Data Communications: Radios, SATCOM, Tactical Datalinks, LOS	
	Multi-Mission Management System (MMS) up to 4 Operator Stations	
Weapons & Stores	Weapons Management System for ASW and ASuW	
	Sonobuoys Launcher & Dispenser System	
	Torpedo or Air to Surface Missiles (ASM)	

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