Product Brief | NPI

Wireless

Multi-Port Vehicular

LMR & Tri-Band GNSS Sharkfin Antenna

YAGEO GROUP
Built into Tomorrow

PRODUCT OVERVIEW

The **SKF490758L125DM** direct-mount SharkFin antenna is designed for public-safety and fleet vehicles, combining **UHF 470-512MHz** with **700/800MHz** and **a high-accuracy GNSS** into a single roof-mounted solution. Optimized for public-safety and equipped with active multi-band **GNSS (L1/L2/L5)**, it enables reliable voice communications and precise positioning for mission-critical mobile platforms.



Quick Facts

2-in-1 direct-mount SharkFin antenna

Frequency Range:

LMR: 470-512/750-960MHz

GNSS: L1/L2/L5 NEW

Power Rating: 45W

Contact & Information

Visit our Product Page on YAGEOGroup.com

Key Selling Points

Features

- **Dual port design supporting UHF/7/800 LMR and GNSS**
- **Active GNSS with low-noise amplifier and wide 2.5 – 18 input voltage**
- **Omnidirectional radiation pattern for LMR coverage**
- **45W power handling suitable for LMR transmit applications**

Customer Value

- Slim footprint that fits between SUV roof ribs
- Enables high-accuracy navigation through multi-band GNSS
- Supports dependable voice communications in mobile environments
- IP67 rating provides long service life in fleet deployments
- Reduces roof clutter by combining UHF and GNSS into one antenna
- Proven SharkFin mechanical enclosure used across multiple Pulse SKUs

Target Applications

- **Police, fire, and EMS vehicles**
- **State and local public-safety fleets**
- **Utility and municipal service vehicles**
- **Fleet management and vehicle tracking systems**

Market Advantages

- Purpose-built for public-safety and fleet vehicle installations
- Combines UHF and GNSS in a single low-profile SharkFin housing
- Active multi-band GNSS (L1/L2/L5) supports modern positioning systems
- Compact form factor favored by OEMs and vehicle upfitters