

## Category Award Robotic & Drones

### BOXER-8629AI | IP67 Waterproof Fanless Embedded Edge AI System



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### Winning Reason

In alignment with the rapid evolution of Edge AI, the company leverages industrial computing expertise to penetrate specialized vertical markets. This product features a compact form factor that integrates multifaceted functionality with a flexible I/O design. Equipped with a ruggedized waterproof system, it resolves deployment challenges across diverse environments, making it ideal for outdoor and mobile applications. With high market potential, this solution is poised for integration into autonomous vehicles, smart cities, and other emerging sectors.

### Product Feature

1. IP67-rated waterproof and dustproof chassis with full industrial M12 and mini FAKRA connectors, offering higher protection than typical IP66 competitors.
2. Advanced edge AI performance powered by NVIDIA® Jetson Orin Nano™ with 4/8GB LPDDR5 for real-time video analytics and low-latency perception tasks.
3. Rugged industrial reliability, supporting -25C to 60C operation and MIL STD 810H shock/vibration compliance for outdoor and mobile robot deployments.
4. Versatile I/O for robotics and vehicles, including up to 4× GMSL2 cameras, CAN FD, RS 232/485, 2× DIO, and dual M12 Gigabit LAN.
5. Modular I/O side-panel design allows quick connector customization, overcoming typical waterproof system limits and enabling tailored configurations for diverse robotic and outdoor applications.