



Success Stories



Winmate M101AD 10.1" Windows Rugged Tablet PC with Intel® Core™ i5-1235U in South American Reconnaissance Military Vehicles

Background

In the challenging terrains and unpredictable weather conditions of South America, the military reconnaissance units require robust and reliable technology to support their operations. These units operate in diverse environments ranging from dense rainforests to arid deserts. Ensuring communication, data collection, and navigation in these conditions demands high-performance, durable equipment.

Main Challenges

The primary challenge was to equip the military reconnaissance vehicles with a computing solution that could withstand extreme environmental conditions while providing high computational power and seamless connectivity. The devices needed to be rugged enough to handle rough terrains, resistant to dust and water, and capable of operating under extreme temperatures. Additionally, they required long battery life and high-speed processing capabilities for real-time data analysis and communication.

Core Product

- **M101AD** - 10.1-inch Windows Rugged Tablet PC with Intel® Core™ i5-1235U

Why Winmate

The deployment of the [Winmate M101AD tablets](#) significantly enhanced the operational efficiency and effectiveness of the reconnaissance units. Key outcomes included:

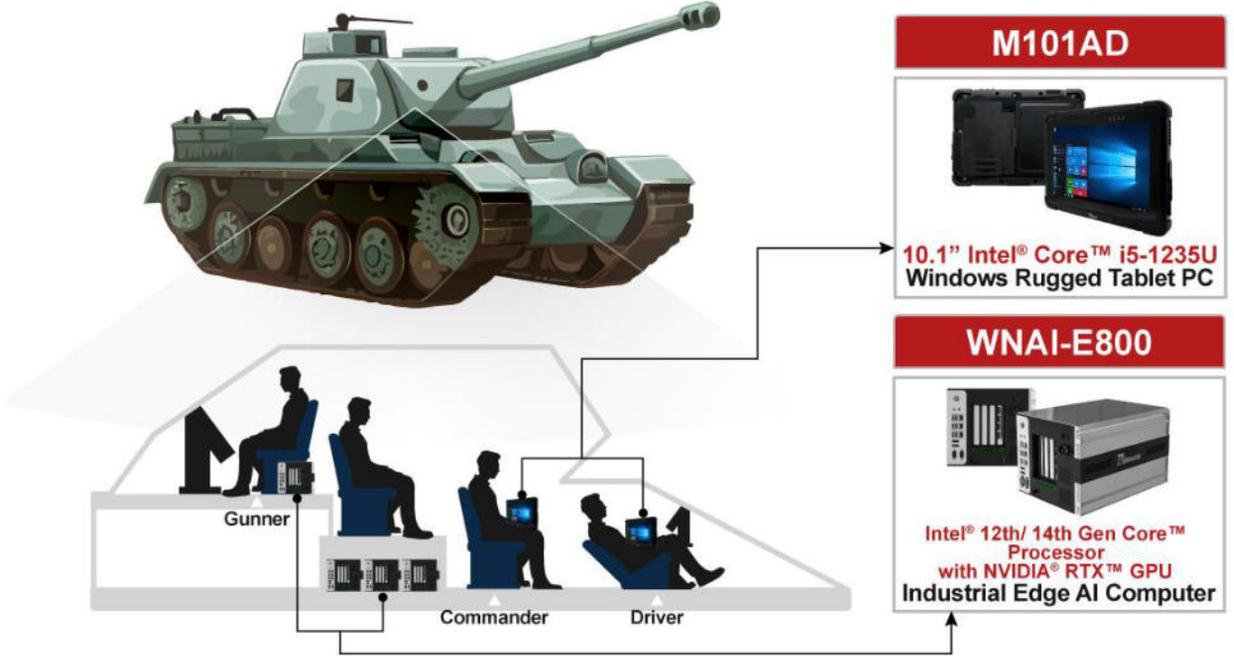
- **Improved Data Collection and Analysis:** The high-performance processing power enabled quick data analysis and decision-making, crucial for mission success.
- **Enhanced Communication:** The robust connectivity options ensured continuous communication with the command center, improving coordination and response times.
- **Increased Durability:** The rugged design of the tablets reduced equipment failures and maintenance needs, ensuring reliable performance in the field.
- **Operational Efficiency:** The portability and user-friendly interface of the tablets streamlined the workflow for the reconnaissance teams, allowing them to focus more on their missions.

The [Winmate M101AD 10.1" Windows Rugged Tablet PC](#) with Intel® Core™ i5-1235U proved to be an invaluable asset for the South American military reconnaissance units. Its ruggedness, high performance, and reliable connectivity made it an ideal tool for enhancing the operational capabilities of the military vehicles, ensuring mission success in some of the most challenging environments.

Application Diagram

Empowering South Asian Armored Vehicles

Empowering South Asian Armored Vehicles with Winmate Military Solutions



Related Product

Winmate M101AD



- 10.1" Windows Rugged Tablet PC with Intel® Core™ i5-1235U
- Intel® Core™ i5-1235U Alder Lake processor
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Sunlight readable with antiglare solution
- Hot-swappable battery design
- USB TypeC port support PD 3.0 and ALT mode
- Integrated GigaLAN Port
- MIL-STD-461G and MIL-STD-810H Compliant
- IP65 waterproof and dustproof