



RUGGED AR107 - TACTICAL COMPUTER

Compact Intelligence for Extreme Environments

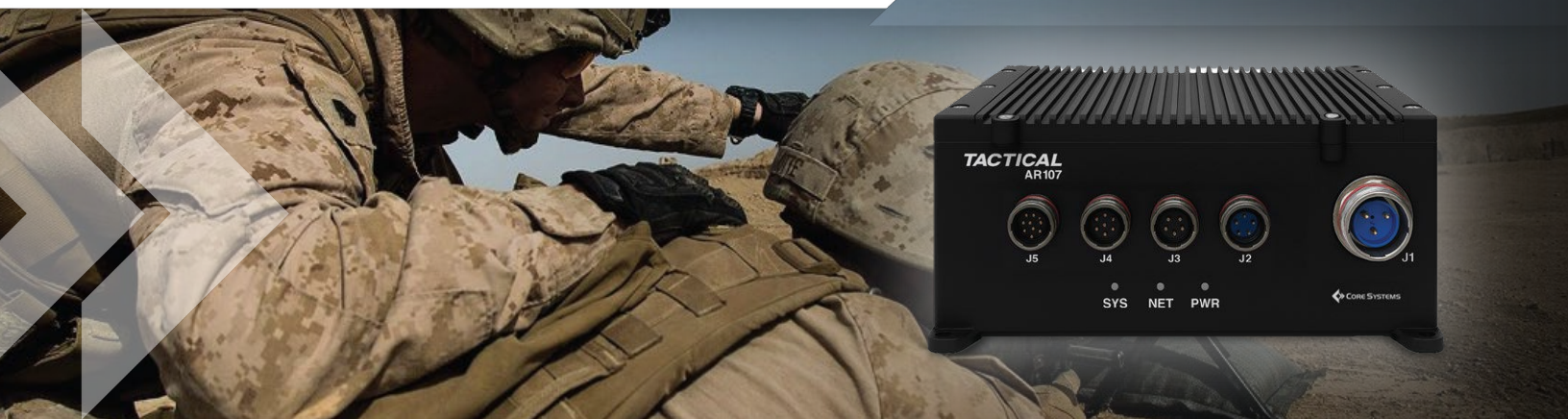
Built to thrive where ordinary computers fail, the **Rugged AR107** delivers enterprise-grade processing power in a hardened, compact chassis engineered for mission-critical performance. Equipped with the **Intel Core™ Ultra 9 Processor Series 2** and **up to 96GB of DDR5 memory**, it's purpose-built to handle AI, sensor fusion, and data-heavy workloads directly at the tactical edge.

Designed for extreme environments, the AR107 balances raw performance with rugged dependability. Its **integrated internal UPS** ensures uninterrupted operation even during sudden power loss. From unmanned systems to mobile command and industrial edge deployments, the AR107 redefines field computing performance.

- Onboard UPS battery backup
- Tested to meet military standards
- Built in the USA

Featured Specifications

- Intel Core™ Ultra 9, 24 cores
- Up to 96GB DDR5 6400MT/s
- 4x 10GbE + Two 2.5GbE ports
- Integrated UPS
- 3x USB-A
- 1x USB-C
- 2x HDMI Ports
- TPM 2.0
- Rugged MIL-Spec Chassis



Technical Specifications

Dimensions

Height: 3.5 inches, Width: 8.1 inches, Depth: 9.1 inches

CPU

24x Intel® Core Ultra 9 Cores

RAM

Up to 96GB DDR5

Video

2x HDMI 2.1
2x Display Ports

USB

3x USB Type-A
1x USB Type-C

Power

Integrated UPS

Chassis

Rugged MIL-Spec Chassis

Network

4x 10GbE
2x 2.5GbE ports

Security

1x TPM 2.0 onboard

Environmental Specifications

Operational Temperature

MIL-STD-810F, Method 501.5, Procedures I; -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5, Procedures II: -55°C to +85°C

Humidity

MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude

MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration

MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-2000Hz, 60 min/axis

Shock

MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC

MIL-STD-461F: CE & RE emissions

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