

The Lanius-5G is a rugged mini-small form factor (SFF) conduction cooled computer system, specifically tailored for the avionic, military and rugged industrial market with 5G & WiFi-6e modules preconfigured. The system offers the best utilization of size, weight and power (SWaP) in the industry and strictly adheres to commercial Off the Shelf (COTS) standards in the industry. Though its small in size, its feature rich & best in class embedded computer.

The Versatile Lanius-5G is configured with the latest high-performance CPU (Intel ATOM 64XX), 5G/4G data card with LTE, WiFi 6/6E 2x2 MU-MIMO (Tri-band 2.4GHz, 5GHz & 6GHz) and Bluetooth v5.2 which lays foundation for future-proof IoT, video etc. requiring high speed data transmission & recording.

The Lanius-5G can support variety I/O typically needed in the targeted applications, including MIL-STD-1553B, ARINC-429, RS-232/422/485, Fibre Channel, GigE and Analog and Discrete signals, and FPGAs. The I/O can be expanded through MiniPCIe IO modules, including Acromag's® revolutionary "Plug and Play" Acropack. There are additional options for Inertial Measurement and Navigation & GPS.

FEATURES

- **CPU:** Intel Core i7 – 7600U or ATOM x6000E Processors or latest
- **Memory:** up to 16 GB DDR4 RAM
- **Storage:** up to 512GB through mSATA
- **Integrated Graphics Controller**
- **Video Outputs:** 1 x Display Ports
- **I/O's (Standard):**
 - 2 x Gigabit Ethernet
 - 1 x USB 3.0, 2 x USB 2.0
 - 2 x RS232 (TX/RX- Console)
 - 6 x GPIOs
 - LTE Advanced/5G Data Card
 - WiFi 6e (Tri-band 2.4 GHz/5 GHz/6 GHz support)
- **I/O's Expansion:**
 - 2 x MiniPCIe / AcroPack Sites (Gen 3 PCIe)
 - 4 x Gigabit Ethernet
- **Security:** TPM 2.0 (optional)
- **Dimensions:** 188 mm X 155.8 mm X 72 mm
- **Weight:** 2.1 kg
- **Connectors:** MIL-Circular
- **Health Monitor:** System Health Monitor & Control (Optional)
- **Power:** 28 VDC @ 25-50 Watts (Configuration Dependent)
- **Operating Temp:** -40°C to +55 °C, up to +71°C (Depending on Thermal Load)
- **Storage Temp:** -40°C to +85 °C
- **Environmental:** MIL-STD-461G, MIL-STD-704F, MIL-STD-1275E and MIL-STD-810H
- **Cooling:** Fanless Conduction Cooled
- **Operating System Support:** Windows 10 & Linux



