

Nexus: Tactical Intelligence, Ruggedized for the Edge

Nexus is a carry-on-sized, rugged Pelican-cased platform built for rapid deployment. With an integrated lid display, AC/DC power supply, and modular compute, networking, and integration options, it delivers fast customization and real-time command and control across all domains.

Key Features:

- **Modular Design:** Flexible compute, networking, and integration options for diverse missions.
- **Interoperability:** Works seamlessly with partner systems, legacy tech, and emerging solutions.
- **Rapid Customization:** Quickly adapts to mission needs with minimal setup.

Use Cases:

- **Command and control** for multi-domain operations.
- **Rapid-deployment operations** requiring portable infrastructure.
- **Real-time data fusion** and analysis in the field.
- **Secure networking** for mission-critical systems.

General Specifications

Dimensions	22" x 14" x 9" (Carry-on size)
Screen	18.5" Optional built-in high-resolution display (in lid)
Power	300W; 12-36 VDC; 90-264 VAC Battery options available - BB-2590, BB-2557, STUB, COTS
Operating Temp	-20°C to 50°C
Connectivity	Highly customizable Internal gateway: WiFi, Cell, Lora, Halow, SDR Integration: Tactical radios, SDRs, SatCom, Gateways (Cradlepoint, Peplink, etc.), Specialized technology
Weight	25-55 lbs. (depending on configuration)

Technical Specifications

CPU	Intel Core Ultra 7 165H
Memory	32GB (Up to 96GB)
Storage	SN850X NVMe- M.2 2280 - 1TB
Operating System	Ubuntu
Gateway	NXP i.MX8M Quad Core 1.6GHz ARM Cortex A53 6x 1 GbE connections WiFi + 2x open slots for radios
Battery	99 Wh BB-2557 Li-On

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