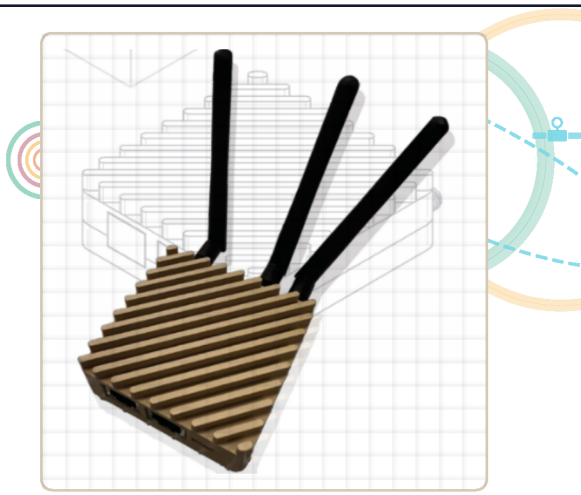
TRAVEL ROUTER · EDGE COMPUTE

Shield

Edge compute, mesh, and AI processing in a small hardware platform for professionals, operators, and other high security minded individuals.



Shield is a compact, US-made, secure travel router for operators and professionals who require high-level security while accessing public networks. The hardware and software bills of material are highly customizable and can be provided as OEM components within your product or packaging. Unlike standard commercial routers, Shield offers a secure and resilient supply chain, with robust capabilities for deploying specialized security applications at the edge.

01 KEY FEATURES

- **Dual Ethernet:** 2× 1Gb (1 LAN, 1 WAN)
- **Cellular:** 4G/5G with dual SIM + eSIM support
- **USB:** USB 3 data port plus USB power
- **Edge AI:** Quad-core ARM Cortex-A53 @ 1.8GHz with integrated Neural Processing Unit
- **Two builds:** tactical and low-visibility commercial
- **Configurable M.2:** client-specific storage, accelerators, or specialized modules

02 SPECIFICATIONS

Processor	Quad-core ARM Cortex-A53, 1.8GHz
Memory	2GB / 4GB / 8GB LPDDR4
Storage	32GB / 64GB eMMC Flash
Expansion	1× M.2 (custom modules)
AI / ML	Integrated Neural Processing Unit
Connectivity	2× 1Gb Ethernet · 4G dual-SIM · Dual-band WiFi · USB 3 · USB Power
Operating Temp	−40°C to 85°C
Humidity	10–90% op · 5–95% storage
Dimensions	30 × 80 × 80 mm
Weight	200 g
Case Options	Tactical · Low-Visibility Commercial
Compliance	FIPS 140-3 · MIL-STD-810 · MIL-STD-461

WHY SHIELD

Unmatched security and performance in a portable form factor. With a secure US-based supply chain and advanced AI/ML capabilities, Shield is built for professionals operating in high-risk environments where commercial routers can't be trusted.

FLEXIBLE JADC2 PLATFORM

Nexus

High-performance command and control system in a carry-on-sized, ruggedized Pelican case.

Nexus is a flexible, high-performance command and control platform designed to integrate with mission-critical products including legacy systems, partner equipment, and emerging technologies. Engineered for quick deployment, Nexus ships in a carry-on-sized rugged Pelican case — highly portable yet resilient in harsh environments. Modular compute, network connectivity, and integration features enable rapid customization and real-time C2 operations across all domains.

01 KEY FEATURES

- **Modular Design:** customizable compute, networking, and integration for a wide range of missions
- **Seamless Interoperability:** partner products, legacy systems, and future tech
- **Portable:** carry-on-sized, ruggedized Pelican case for fast deployment
- **Built-in Display:** large integrated screen in the case lid for real-time monitoring
- **Component Selection:** compute, switching, wireless, mesh, storage, SatCom, SDR, encryption, sensors, software
- **Your Payload Here:** modular bays accept customer-specific hardware and sensors

02 SPECIFICATIONS

Dimensions	22″ × 14″ × 9″ · carry-on size
Screen	Built-in high-res display in lid
Power	12–36 VDC · 90–264 VAC · internal & removable battery (external packs on request)
Operating Temp	−20°C to 50°C
Operating System	Ubuntu · Windows
Connectivity	Ethernet · USB · Serial · GPIO · PCIe expansion
Radio Options	WiFi · Tactical Mesh · Cell · SDR · HaLow · LoRa
Weight	25–55 lbs (configuration dependent)
Integration	All Raider products & compatible partner systems
Compliance	FIPS 140-3 · MIL-STD-810 · MIL-STD-461

WHY NEXUS

Agility and operational flexibility for multi-domain battlefields. Nexus unifies mission control for current and future platforms, ensuring interoperability across all systems — and fits in the overhead bin.