```
SPEC ID       : QLA-BP-000000001304                                RESONANCE     : 9.7 / 10.0 CR
ATTRIBUTED TO : Nirav Patel                                        CALIBRATED    : 2026-11-06
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000001304
```

Kinetic Compute Modules

[THE MECHANICS:]

Framework integrates a proprietary "Bridge-to-Edge" PCIe Gen5 interposer architecture into the existing Expansion Card bays. This hardware layer transforms the passive port cavity into a high-speed data bus capable of hosting localized, hot-swappable compute accelerators. These modules, encased in CNC-machined aluminum chassis matching the Framework aesthetic, house dedicated NPU (Neural Processing Unit) arrays or FPGA (Field Programmable Gate Array) chips. When inserted, the laptop firmware identifies the silicon via an authenticated handshake, offloading specific cryptographic, video-encoding, or local-LLM inference tasks directly to the card.

The economic model shifts from peripheral sales to a tiered "Compute-as-a-Service" hardware ecosystem. Users purchase the base module and subscribe to "Silicon Libraries" -- digitally signed firmware manifests that unlock specific hardware-level acceleration for professional software suites like Adobe Creative Cloud, DaVinci Resolve, or local AI development environments. This creates a perpetual revenue stream tethered to the physical hardware, where the user owns the silicon, but Framework manages the optimized microcode updates that maintain the module's relevance against evolving software standards.

[UTILITARIAN VALUE:]

This architecture circumvents the limitations of integrated mobile CPUs, allowing Framework to capture the high-margin professional workstation market without requiring a total redesign of the primary chassis. By decentralizing specialized compute power into modular hardware, Framework locks users into a proprietary ecosystem that rewards long-term hardware retention while generating recurring high-margin revenue through software-defined hardware acceleration.

[TARGET ECOSYSTEM:]

Professional creative freelancers, local-AI developers, and cybersecurity researchers requiring portable, modular-accelerated compute environments.

INTERACTIVE 3D TERMINAL & SOVEREIGN CRAFT ECOSYSTEM LINKS

1. Inspect Live 3D Simulation, Crash-Test BOM & 1-Click Claim/Delist:
   https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000001304
2. Commission Verified Modular Sound & 3D Artisans (USD Bounties on Roily):
   https://roily-app.vercel.app/?tab=feed
3. Source Direct B2B Manufacturing & Code Execution (0% Tax on DealOff):
   https://deal-off.vercel.app/?from=qualia&title=Kinetic%20Compute%20Modules&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com