ENCRYPTAGUARD LLC: SECURE RESIDENTIAL GATEWAY & PERFORMANCE-OPTIMIZED HOME PRIVACY

Founder & Lead Architect: Tanner Sutherlin

Executive Summary

In an increasingly intrusive digital environment, modern households are frequently exposed to privacy risks due to a reliance on vulnerable ISP default equipment. Standard home configurations often lack the necessary encryption and filtering required to protect personal data streams and maintain high-performance connectivity for gaming and streaming. **EncryptaGuard LLC** provides a "Drop-In" Managed Home Gateway that integrates a hardened, hardware-based security layer into your existing home network.

Our architecture prioritizes **On-Premise Edge Processing** and **Total Family Privacy** to deliver a secure, high-speed environment with zero compromise on data sovereignty.

Core Privacy Framework

EncryptaGuard LLC establishes a standardized security posture for the modern home through three foundational pillars.

1. In-Home Hardware Isolation

We implement a **Physical Isolation Model**, positioning our gateway as a dedicated intermediary between the ISP Modem and your internal Wi-Fi network. This ensures that high-risk smart home devices—such as cameras, doorbells, and appliances—are isolated from your personal computers and phones, stopping lateral movement from hackers at the hardware level.

2. Bandwidth Reclamation & Ad-Suppression

By neutralizing background telemetry, predatory trackers, and "invisible weight" at the gateway level, we reclaim significant bandwidth for your family's actual needs. This centralized policy enforcement allows 4K streaming and low-latency gaming to operate on clean paths, providing a browsing experience that is up to **3x faster** by stripping away junk data.

3. Managed Household Resilience

Home network defense should not require technical expertise. Our managed nodes utilize 24/7 health monitoring and automated, "Zero-Touch" security patching. This ensures that your family stays protected

against emerging global vulnerabilities in real-time without requiring any manual updates or configuration by the homeowner.

Technical Specifications & Architecture

High-Performance Edge Computing

To maintain absolute data privacy, all security processing occurs locally at the **Network Edge** on industrial-grade **Protectli Vault** hardware running hardened Ubuntu. Unlike traditional cloud-based filters that introduce latency and route your family's private metadata through third-party servers, EncryptaGuard ensures that all filtering decisions are made on-premise within your own four walls.

Encrypted Outbound-Only Management

Household integrity is maintained via **Outbound-Only Encrypted Tunnels**. By utilizing a WireGuard-based mesh architecture, your internal network remains entirely invisible to the public internet, as no inbound ports are ever opened on your home firewall.

Operational Standards

- **Hardware:** Fanless, solid-state industrial appliances with dedicated multi-core processing.
- **Data Integrity:** All DNS requests are encapsulated via **DNS-over-HTTPS (DoH)** to prevent ISP-level snooping on family browsing habits.
- **Privacy:** On-premise processing ensures zero-logging of your household's internal browsing behavior by external entities.

Strategic Consultation

EncryptaGuard LLC provides a sophisticated defense-in-depth solution for families that prioritize privacy, safety, and speed.

Contact for Household Assessment: Visit www.encryptaguard.com or connect with our lead engineer via LinkedIn for a strategic consultation regarding your home network environment.

Secure Your Home with EncryptaGuard LLC *Hardened Architecture. Enterprise-Grade Privacy. Professionally Managed.*