# ENCRYPTAGUARD LLC: MANAGED RESILIENCE FOR THE MODERN ENTERPRISE

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## Executive Summary

In the modern threat landscape, small businesses are frequently targeted precisely because they operate on "dirty" networks—environments where critical Point-of-Sale (POS) systems share unencrypted space with guest traffic and high-risk mobile devices. **EncryptaGuard LLC** provides a "Drop-In" Secure Business Gateway that replaces vulnerable ISP defaults with a hardened, physically isolated security layer.

By leveraging **Edge Computing** and the proprietary **Security Sandwich** architecture, EncryptaGuard LLC provides a browsing experience up to 3x faster while ensuring absolute data sovereignty for the business owner.

## The Three Pillars of Managed Resilience

EncryptaGuard LLC delivers a standardized security posture through three core service categories.

### 1. Asset Isolation & Compliance Shield

We utilize physical and logical partitioning to create a "Security Sandwich". The hardware node sits between the ISP Modem and a dedicated Secure Access Point (AP), physically preventing lateral movement from guest devices to core business infrastructure—ensuring the business meets modern digital compliance standards.

### 2. Bandwidth Integrity & Policy Enforcement

By eliminating the "invisible weight" of trackers and malicious background telemetry at the gateway level, we reclaim up to 20-40% of wasted bandwidth. This ensures production-critical applications like VoIP and cloud-based POS systems have dedicated, clean "pipes" to operate.

### 3. Managed Continuity & Threat Intelligence

Security is not a static installation; it is an evolving defense. Our fleet utilize 24/7 remote health monitoring and "Zero-Touch" security patches, ensuring every node stays hardened against emerging global vulnerabilities without manual intervention from the business owner.

# Technical Architecture

## Edge Processing Advantage

Unlike cloud-only filters that introduce latency, all EncryptaGuard LLC processing occurs at the **Network Edge** on dedicated **Protectli Vault** hardware. This allows for zero-latency filtering and guarantees that sensitive browsing data never leaves the building for third-party cloud analysis.

## Zero-Trust Connectivity

Management of the EncryptaGuard fleet is handled via an **outbound-only Tailscale VPN tunnel**. No ports are opened on the customer's firewall, keeping the internal network completely invisible to the public internet while allowing for secure, encrypted remote management.

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# Operational Excellence

- **Hardware:** Fanless, Solid-State Protectli Vault industrial-grade appliances.
- **Encryption:** DNS-over-HTTPS (DoH) protocols to wrap all browsing requests in an encrypted tunnel.
- **Architecture:** Outbound WireGuard mesh (Tailscale) for management integrity.

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# Contact & Consultation

EncryptaGuard LLC provides hardened infrastructure for businesses that cannot afford downtime or data leaks.

**Ready to secure your business?** Visit www.encryptaguard.com or call us for a **Free Consultation** to see if EncryptaGuard LLC works for your unique layout.

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**Managed Resilience by EncryptaGuard LLC** *Hardened Infrastructure. Physically Isolated. Remotely Managed.*