

TuxiNet Terminal

Whitepaper – v0.6.0 Beta

1. Executive Summary

TuxiNet Terminal is an event-focused POS platform designed for offline reliability, modular architecture, and controlled deployment environments.

2. Core Architecture

Touch Interface → Chromium Kiosk → XAMPP → LANPOS Backend → Database → Print Agent → ESC/POS Printer.

3. Key Modules

- Sales Module
- KlubKort RFID Payment System
- Print Agent
- SUADMIN Drift Manager
- Hourly Backup System
- Web-based Statistics Panel

4. Security Model

Offline-first design. No external API dependency required. Segmented print agent. Restricted admin access.

5. Deployment Model

Pre-configured event deployment with startup automation and service fallback mode.

6. Current Status

Production-tested at live events. Marked as Beta pending real-time dashboard and multi-terminal synchronization.

7. Future Direction

v1.0 will introduce real-time analytics, inventory management, and centralized administration.

