

entellra.

All-in-One Restaurant Operations & AI POS Suite

A comprehensive platform profile detailing the modular suites, features, and core technical architecture designed for modern gastronomy operators.

Author: **Entellra Product Team**
Version: **2.0 (Official Release)**

Target: **Restaurant Owners & Enterprise Operators**
Date: **August 2026**

1. Front-of-House Operations

A touch-optimized, high-resilience system designed to streamline checkouts, seating plans, and kitchen communications without delay.

CORE BILLING POS PANEL

Touch-Optimized Billing & Modifiers

A swift POS checkout screen featuring category filter tabs, global barcode scanning, visual table mapping, dynamic pricing matrices, and support for complex menu add-ons (extra toppings, custom prep requests, base swaps).

Split Billing & Mixed Payments

Natively splits checkouts by specific seat order, equal percentages, or custom values. Supports multi-route payments (combining Cash, Card, and Digital Wallets in a single ticket settlement).

Resilient Offline Caching

Keeps transactions functional in case of local internet drops. Registers save receipts inside secure local browser state and automatically sync once online.

KITCHEN DISPLAY SYSTEM (KDS) & KOT

Multi-Station KOT Routing

Splits kitchen order tickets automatically by prep area. Grills receive main dishes, bars receive beverages, and pastry stations receive desserts instantly without duplicate orders.

Interactive KDS Displays & Voids Audit

Chef station screens with active time tracking, urgent alerts, and strike-through controls. Voided orders are saved in security logs with mandatory explanation codes and manager pins.

DINE-IN, DELIVERY & FLEET MANAGEMENT

Floor & Reservation Planner

Drag-and-drop table layouts with real-time status markers (Occupied, Reserved, Empty) and seat capacity controls linked to hostess bookings.

2. Back-of-House Suite

Automate ingredient tracking, labor coordination, and session reconciliation from a single back-office ledger.

INVENTORY & RECIPE COSTING

Dynamic Recipe Mapping & Deductions

Automatically deducts raw ingredients from inventory in real-time when a sale is finalized at the POS (e.g. subtracting 100g beef, 1 bun, and 10g sauce for every burger sold).

PO & GRN Automation

Generates purchase orders automatically when raw items touch safety stock thresholds. Features a Goods Received Notes (GRN) workflow to verify quantity and log damaged goods.

Supplier Credit Ledger & Audits

Maintains clear ledger cards for suppliers, tracking payment terms, invoices, and payment histories (cash/cheque/wire) with full audit trails.

HR & SHIFT OPERATIONS PLANNER

Interactive Shift Rosters & Attendance

Drag-and-drop weekly staff calendar planner with template saving. Staff clock-in via GPS or IP-restricted terminals, logging late arrivals and overtime automatically.

Wages & Payroll Processing

Processes payroll by calculating hours directly from timecards. Supports custom allowances, deductions, and creates PDF payslips natively.

CASH REGISTER AUDITS & SECURITY

Blind Closings & Denomination Logs

Enforces cashiers to count physical notes and count register floats without showing system expectations, preventing cash differences and collusion.

3. Conversational AI & Growth Suite

Boost repeat checkouts and handle customer bookings automatically using custom-trained AI voice and chat assistants.

WHATSAPP AI ORDERING (WAORDER)

Meta Official WABA Integration

Connects official WhatsApp Business numbers. Features official templates, quick-reply catalog lists, interactive buttons, and webhooks verifying delivery status.

Gemini AI Model Configurations

Integrates Gemini API keys. Configures tone guidelines, custom instructions, operating hours parameters, FAQs, and location sheets for local bot training.

Live Chat Dashboard & Staff Hand-Off

Real-time chat portal showing unread counts and sound alerts. Enables seamless transfers from the AI assistant to a live desk agent when requested.

AI PHONE BOOKING AGENT

Intelligent Call Assistance

Natively answers telephone inquiries, checks garden or main room seating availability from live tables, registers booking times, and pushes WhatsApp notifications to guests.

SILENT GUEST CRM & LOYALTY

Unified Guest Database Profiles

Automatically records guest history, average spend values, allergies, and preference badges across POS and online checkouts without manual staff entry.

Reward Tiers & Campaigns

Custom rewards point metrics, automated birthday offers, and automated win-back SMS prompts targeting guests who haven't ordered recently.

4. Technical Architecture

A unified architecture engineered to run high-volume operations with local resiliency, bank-grade encryption, and open API connectivity.

Zero-Delay Database Sync

Unlike standard restaurant setups that rely on third-party aggregators and manual sync batches, Entellra operates on a single unified database. Front-of-House transactions immediately affect recipe stocks, sales ledgers, staff rosters, and customer CRM records.

INFRASTRUCTURE HIGHLIGHTS

Specification	System Standard
Database Resiliency	Offline-first local IndexDB caching with auto-reconciliation.
AI LLM Engine	Gemini API integration with custom system instructions.
WABA Channels	Meta Cloud API with automated Webhook log audits.
Data Encryption	AES-256 state encryption with SSL/TLS in-transit routing.

IMPLEMENTATION & CONTACT

Entellra offers direct implementation support, onsite hardware setup, custom menu imports, and staff training modules for restaurant operators. Our support specialists are available 24/7.

Have questions or want a walkthrough?
Book a personal demo session online

www.entellra.com
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