EazyPay Tech
Simplifying Payments

PAYMENT SOUNDBOX

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The EazyPay Tech Payment Soundbox is a smart, voice-enabled IoT device designed to revolutionize digital payment confirmations. By replacing outdated SMS, email and mobile app notifications, it ensures that merchants receive real-time, audible and visual payment alerts streamlining operations in fast-paced retail environments.

- **Real-Time Voice Alerts with Display**
  Instantly announces and displays received payment amounts on an LCD screen with a clear voice alert, eliminating the need for merchants to check SMS, apps or email notifications manually.
- **Faster Checkout and Customer Handling**
  By providing instant audio confirmation, merchants can continue assisting customers without stopping to verify payments, significantly reducing customer wait times and enhancing the overall checkout experience.
- **Engineered for High-Noise Environments**
  Built for noisy retail locations, the soundbox uses a high-decibel speaker to ensure payment alerts are heard clearly, even in bustling markets, food courts and outdoor vendor setups.
- **Always Connected via Telecom and Wi-Fi**
  Supports continuous operation over 2G|4G mobile networks or Wi-Fi, ensuring uninterrupted connectivity for real-time payment alerts in any environment, including remote or low-signal areas.
- **No Merchant Presence Required**
  Allows store staff to process transactions without the owner's physical presence, as the soundbox automatically confirms each payment with audio and visual alerts, ensuring uninterrupted business.
- **IoT-Based MQTT Architecture**
  Utilizes MQTT protocol to securely transmit payment notifications from the backend system to the soundbox, enabling fast, lightweight and reliable.

SPECIFICATION

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- **CPU** : ARM® Dual-core Cortex-A5, 500MHz
- **SIM Card Slot** : 1x Micro Sim Card
- **Memory** : RAM: 16MB & FLASH: 24MB
- **Display** : 7 Segment LED Display (6 - Digit)
- **Power Supply** : DC 5V / 1A
- **Dimension** : Device Dimensions (L x W x H) : 122 x 100 x 73 mm
- **Battery Capacity** : 2000mAh Li-ion Rechargeable Battery
- **LED Indication** : 1x Battery status, 1x Network Connectivity
- **OTA** : DFOTA and Music file Update Over The Air
- **Speaker** : 4 Ohm 3W (Adjustable Volume)
- **Peripheral Ports** : 1x Powered USB TYPE-C
- **Weight** : Device Weight Approx : 0.28 Kg

- **Buttons** : 1x Power key, 1x Reset key, 2x Volume Up &Down key, 1x Function Key
- **Communication** : 2G (EGSM900/DCS1800)4G (LTE-FDD:B1/B3/B5/B8 & LTE-TDD:B34/B38/B39/B40/B41)
- **Environmental** : Operating Temperature: 0°C to +50°C Storage Temperature:-10°C to +70°C Humidity (Operating / Storage) : 5% - 95% RH, Non-condensing
- **Compliant to Following Standard** : Electrical Safety: BIS EMI / EMC Compliance : CE, WPC ESD protection Contact Discharge : +/- 8kV, Air Discharge: +/- 15kV Environmental, Health and Safety: RoHS
- **Support standard voice file broadcast ,adjustable volume**

TERMINAL MANAGEMENT SYSTEM

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EazyPay Tech Terminal Management System is a cloud-hosted platform that empowers banks, PSPs and aggregators to efficiently deploy, monitor, update and support thousands of payment soundboxes from a single centralized dashboard.

- **Centralized Terminal Monitoring Dashboard**
  A web-based platform allows PSPs, banks and admins to monitor the entire soundbox fleet in real time, including device health, status updates, signal strength and transaction performance.

- **Live Transaction Viewing and Tracking**
  Displays real-time transaction details for each soundbox, including transaction amount, ID, payer/payee name, timestamp and confirmation status, enabling efficient auditing and issue tracking.

- **Remote OTA Firmware and Software Updates**
  Push software updates or configuration changes remotely to any number of soundboxes in your network, minimizing the need for field visits or manual upgrade processes.

- **Integrated Customer Support Platform**
  PSPs and customer service teams can resolve issues, monitor device health and log troubleshooting cases in real time, reduce device downtime and improving merchant satisfaction.

- **Secure Agent App/Service Provider for Onboarding**
  Agents can register a soundbox by scanning a QR code, enabling merchants to start receiving payment alerts without additional technical support or installation assistance.

QR SCAN & PAY APPLICATION

- **Instant, Cashless Payments via QR Code**
  Users can scan a static or dynamic QR code using the app to pay merchants instantly through UPI, wallet or linked bank accounts.

- **Supports Multiple Payment Modes**
  Integrated with UPI, credit/debit cards, wallet balance and bank transfers for flexible and secure transactions.

- **Secure & Encrypted Transactions**
  Each payment is protected with real-time OTP verification, device encryption and user authentication (PIN/biometric).

- **Real-Time Payment Confirmation**
  Both sender and receiver receive instant confirmation via on-screen notifications, SMS and optional audio alerts through Soundbox.

- **Merchant & Customer Friendly**
  Easy-to-use interface for both customers making payments and merchants accepting them no technical expertise needed.

- **Transaction History & Reports**
  Complete log of all transactions with options to download reports for expense tracking or business reconciliation.

MERCHANT APPLICATION|PORTAL

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The EazyPay Tech Merchant Web Portal and App is a responsive, secure and intuitive platform designed to give merchants complete visibility and control over their Soundbox enabled payment ecosystem.

- **Real-Time Transaction Dashboard for Merchants**
  Provides a clear view of live transactions, including amount, payer details, bank involved and transaction timestamp, giving merchants full visibility of payments received across devices.

- **Transaction History & Reports**
  Merchants can search and filter transactions by date, payment status, amount and access summarized reports to assess business performance over any chosen time period.

- **Downloadable Excel/PDF Reports for Records**
  Allows merchants to export transaction logs in spreadsheet or PDF formats for use in financial reconciliation, GST filing, audits and business reporting.

- **Manage Multiple Soundboxes with One Account**
  Link and monitor several soundbox devices under a single merchant profile ideal for managing payment tracking across branches, kiosks or multiple shop counters.

SIGN UP & LOGISTICS

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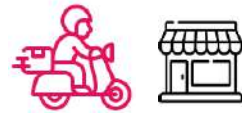
The solution is hosted cloud server

Merchant requests the soundbox from acquiring institution



Device gets shipped to the merchant

Merchant links the soundbox to their merchant account by scanning the QR code issued by the acquiring institution* OR by validating the merchant bank account *. Post authentication, the merchant is provisioned and the device become activated

Advance exchange of any soundbox that require replacement through a drop and pick mechanism

**Amount 10.60 Received

Merchant connects the device to the internet via 2G/4G or Wifi to start receiving payment confirmations

*(Terms & conditions applicable)

**(Notification as per currency configured)

ARCHITECTURE (ACQUIRING BANK)

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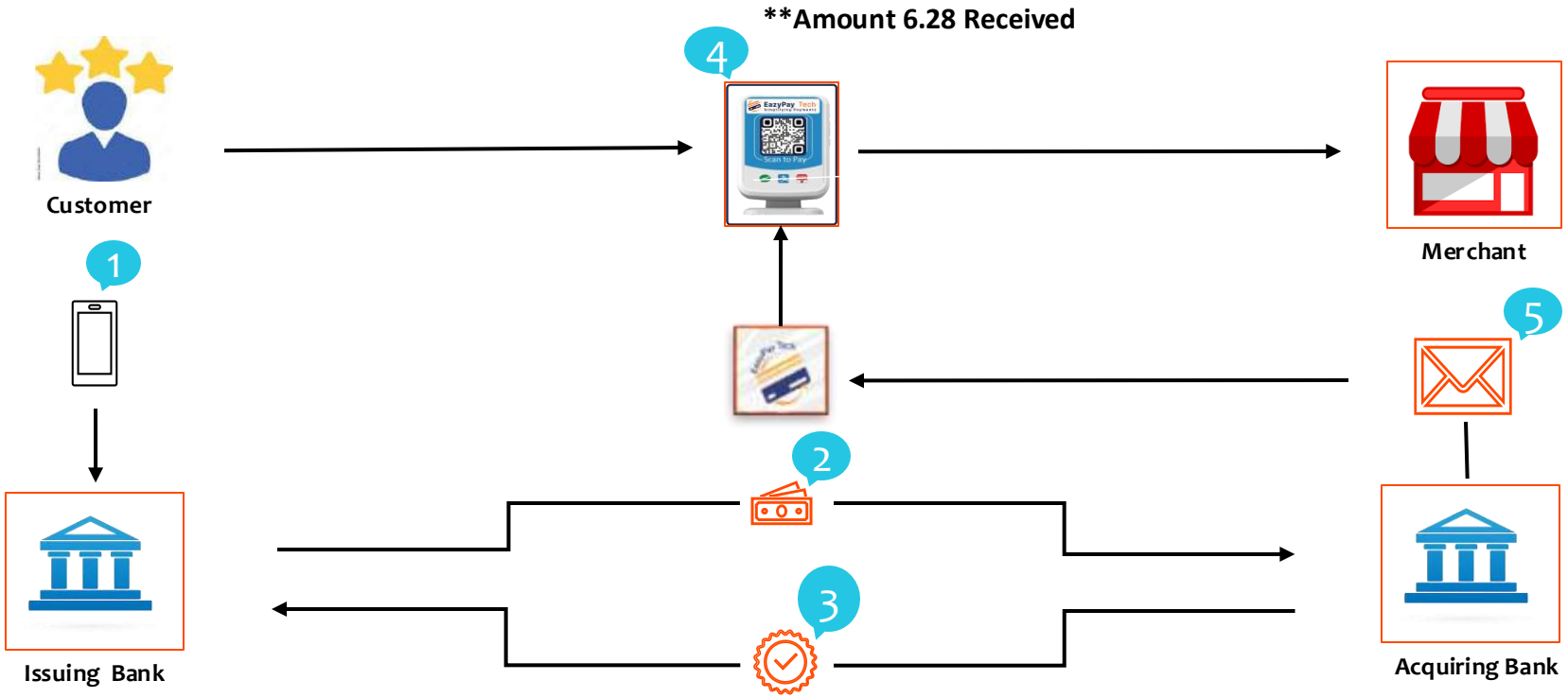

This architecture overview describes how a payment transaction flows through EazyPay Tech backend, the acquiring bank and finally to the merchant's soundbox.

- **Customer Initiates Payment via QR Code**
  A customer scans the merchant's QR code using a mobile payment app, initiating the transaction from their bank account to the merchant's bank account through the acquiring bank.
- **MQTT Alert Sent from Backend to Soundbox**
  EazyPay backend sends an MQTT message to the relevant soundbox device once the transaction is verified, ensuring immediate and accurate delivery of payment information.
- **Payment Processed by Acquiring Bank**
  The payer's account is debited and the payee (merchant) receives the credited amount, all within seconds via UPI or supported payment networks handled by the acquiring bank.
- **Soundbox Delivers Audio and Display Alert**
  The soundbox receives the MQTT message, displays the payment amount on its screen and announces the amount audibly, ensuring both the merchant and customer are instantly notified.

**(Notification as per currency configured)

ThankYou

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