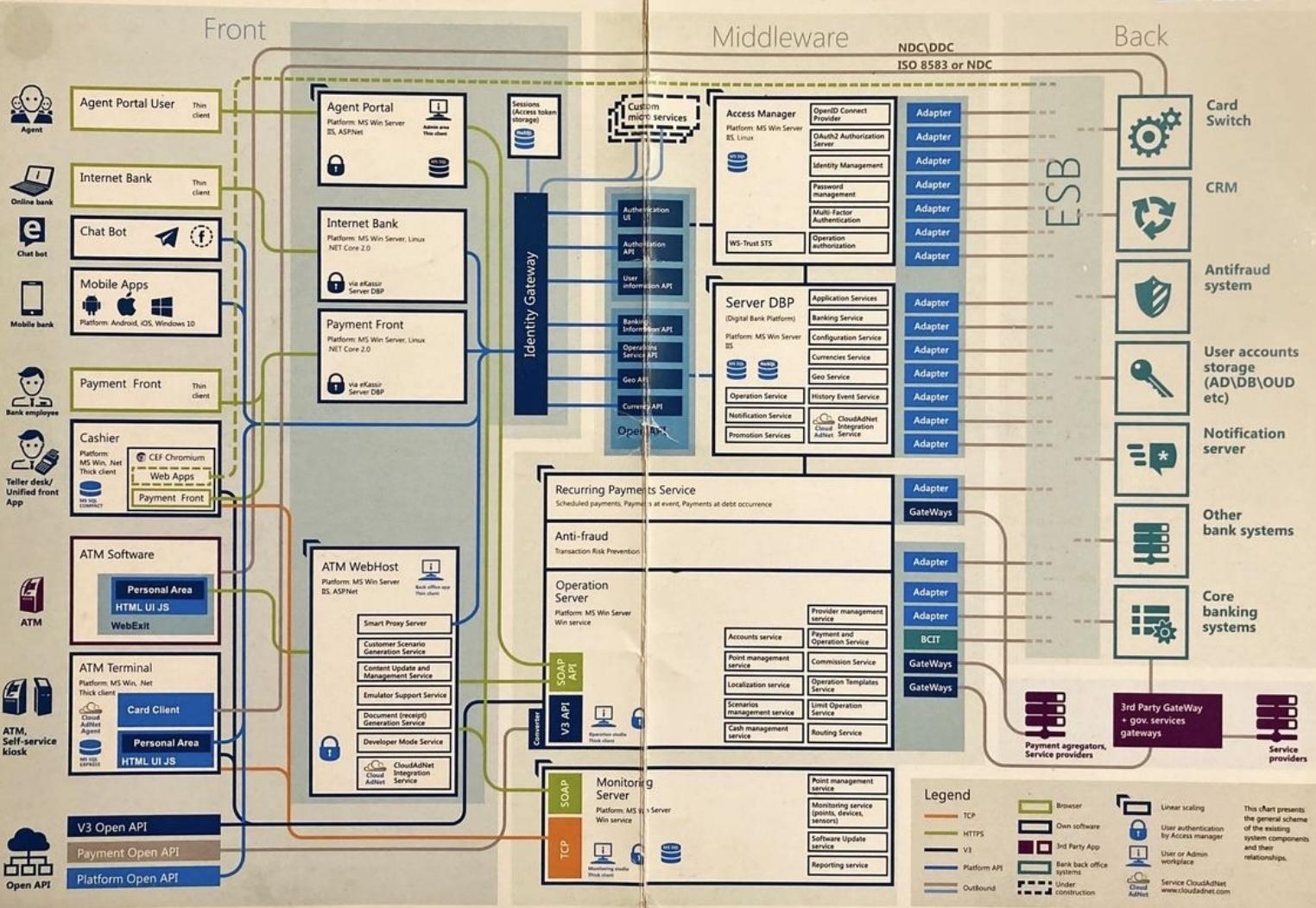


Software Architecture

eKassir



PARTS OF THE ATM

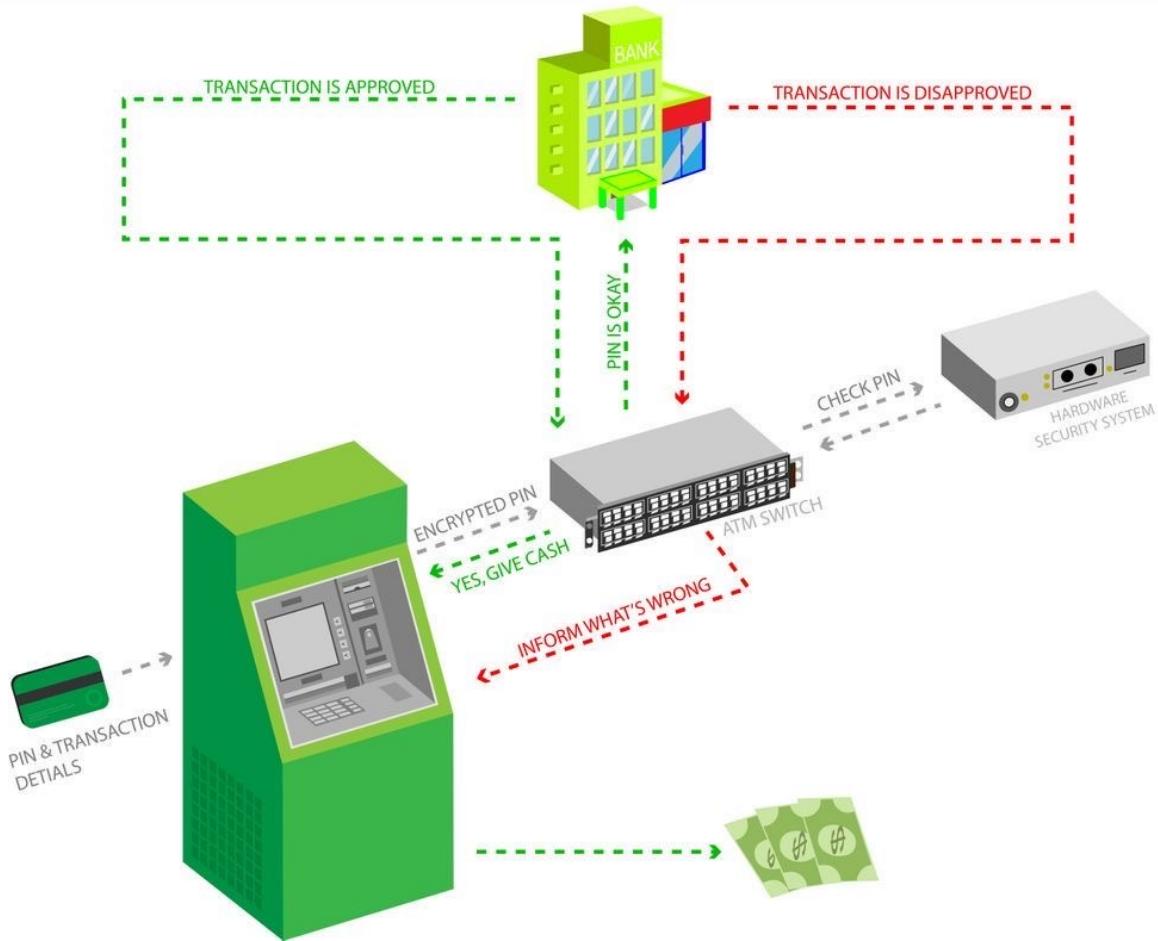
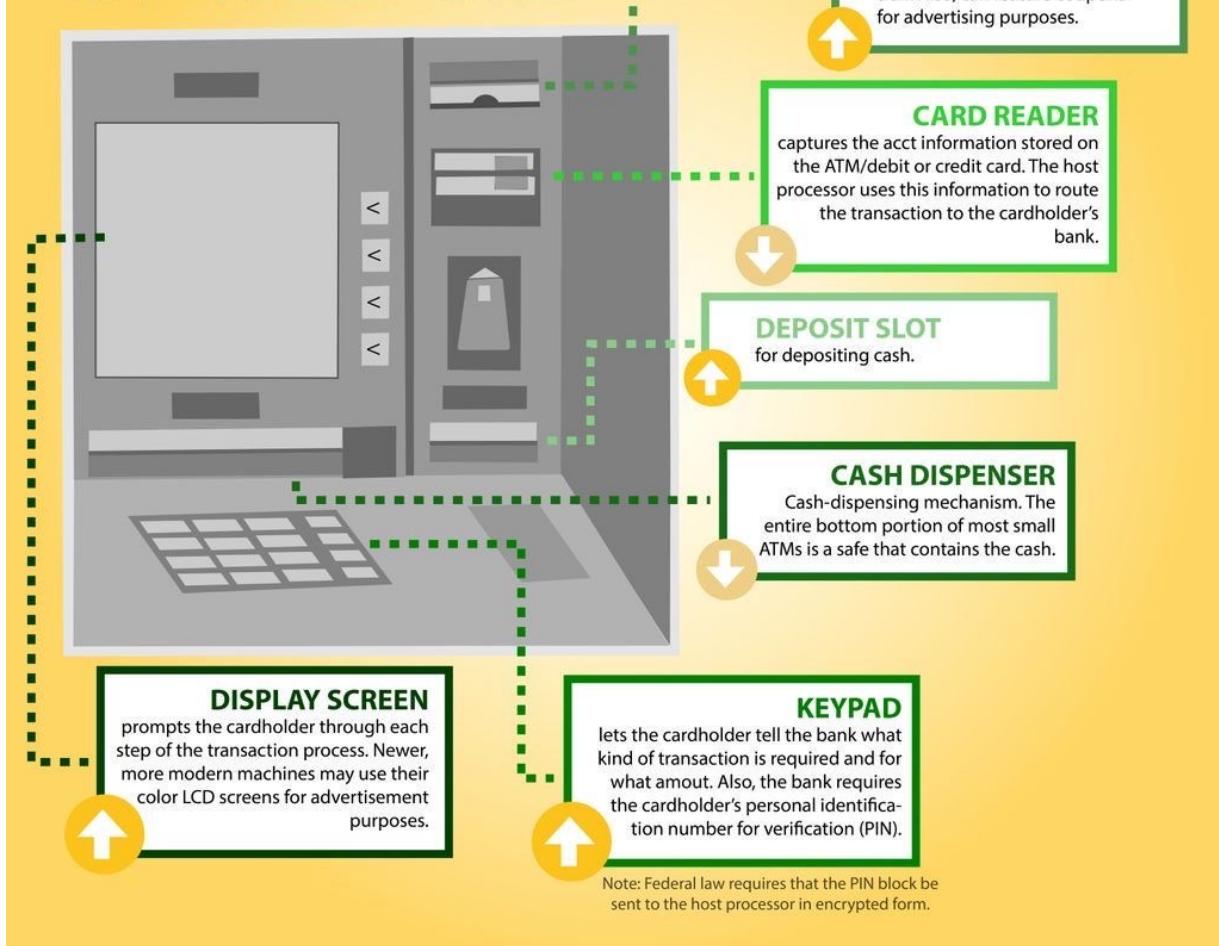


Figure. 01:

This is how the ATM (Automated Teller Machine) System Works?

This represents the central server maintained by the bank that handles communication and transaction processing. It stores customer account information, performs authentication, authorizes transactions, and maintains transaction logs.

This includes the communication channels and protocols used to connect the ATM machine to the bank's server using wired or wireless connections ensuring secure and reliable communication.

It includes components such as the display screen, keypad, card reader, cash dispenser, receipt printer, and other input/output devices. Here user can interact and withdraw cash.

Bank Server

Network Infrastructure

ATM Machine

Core Banking System

Transaction Processing System

User Interface

Cash Management System

Bank

Customer/User

It is the main software system that manages the overall banking operations including modules for customer accounts, transaction processing, funds transfer, balance inquiries, interact with the ATM system, and other banking functionalities.

It includes the keypad for entering PIN, transaction details and the display screen for visual feedback and instructions

It does cash inventory tracking, replenishment scheduling, cash balancing, and error detection

It does account verification, PIN validation, funds transfer, cash withdrawal, deposit processing, balance inquiries, and transaction receipts and communicates with the bank server to complete the requested transactions securely.

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