

India Aadhaar Enabled Payment System (AePS)

Resulting in faster and more secure Aadhaar-based transactions in India



QUICK FACTS

Challenges:

- To ensure smooth and secure AePS-based transactions

Solution:

- Aratek A600 fingerprint scanner as the authenticate device

Benefits:

- Work smoothly even with difficult fingers
- Enhance transaction security
- Improve financial inclusion

"Nowadays, there are too many expensive yet low quality sensors on the market. With 9 infrared LED and FAP20 capture area of the Aratek A600 scanner, high quality images are captured. Moreover, it has the fastest live transaction, and it is even capable of capturing Mehendi fingers which no other company can do."

- Rajesh, CEO of Varunan Infotech India

Overview:

Aadhaar Enabled Payment System (AePS) is a cashless payment system that allows Indian citizens to carry out financial transactions on a Micro-ATM by simply presenting their Aadhaar number and biometric information.

Developed by the National Payments Corporation of India (NPCI) and implemented with numerous partner banks, the AePS seeks to revolutionize cashless payment by making disclosure of bank details unnecessary, resulting in faster and more secure transactions. It is linked to a centralized server which makes it possible for anyone to send and receive money via their accounts to and from any other account in the system regardless of the partner bank being used.

Challenges:

The Indian government and the banking sector have embarked on a massive program to integrate into the fold of formal financial services more than 900 million unbanked Indians living in remote rural areas with little or no physical access to bank branches. Bank-led agencies have turned to technology for ways to allow the unbanked to participate in branchless financial activities securely.

The AePS uses a simple setup consisting of a fingerprint scanner hooked up to a phone or tablet with 3G/4G connectivity. However, the initial stages of the implementation saw substandard scanners and host devices finding their way into the system. The inability of these inferior devices to guarantee smooth and uninterrupted operation has resulted in many failed transactions. This has led the NPCI and the AePS to implement stricter standards on the devices.



- Rural India



- Mehendi fingers

Solution:



In early 2020, the Aratek A400 and A600 fingerprint scanners were granted STQC and RD (registered device) certifications, making them finally eligible for use in India. Moving quickly, AePS service providers such as **Oxygen, Spice Money, SahiPay, RNFI, RapiPay, DigiPay, Mobisafar, Varunan Infotech and V Pay** have integrated their applications with Aratek's scanners in no time, ready for a massive roll out.

The AePS providers have cited Aratek's superior quality and exceptional performance at surprisingly affordable price points. Rajesh of Varunan Infotech has pointed out that "nowadays, there are too many expensive yet low quality sensors on the market." In contrast, Varunan noted that the **A600 scanner** is generously equipped with 9 infrared LED and FAP20 capture area, allowing for very high-quality image captures. Moreover, it has the fastest live transaction and is even capable of "**capturing Mehendi fingers which no other company can do.**"

Key Benefits:

Aratek fingerprint scanners offer the finest quality and best value for money among STQC certified fingerprint scanners, giving AePS operators the sense of security that comes with the certainty that the fingerprint scanners will work flawlessly as they reach out to more unbanked citizens. With the support of AePS partners, Aratek is set to continue ramping up India's Aadhaar-based fingerprint authentication to even more exciting levels.

-  **Work smoothly even with difficult fingers**
-  **Enhance transaction security**
-  **Improve financial inclusion**