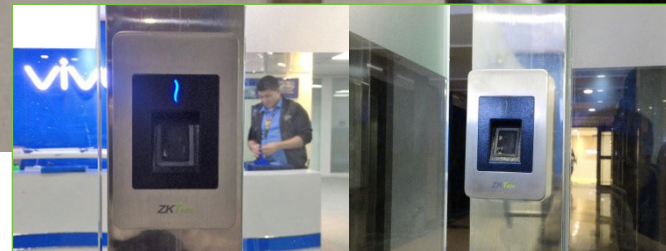




Vivo Philippines

Time & Attendance and Access Control Management Case Study



Project Description

Vivo Communication Technology Co. is a Chinese technology company owned by BBK Electronics that designs, develops, and manufactures smartphones, smartphone accessories, software, and online services. It was founded in 2009 in Dongguan, Guangdong, China. The brand uses Hi-Fi chips in its smartphones. Software developed by the company include the Vivo App Store, iManager, and a proprietary Android-based operating system called Funtouch OS.

Registered for the first time in 2009, Vivo has since become registered in over 100 countries around the world.

Vivo began its international expansion in 2014 when it entered the Thai market. The company quickly followed this up by launching in India, Thailand, Malaysia, Indonesia, Vietnam, Myanmar, and the Philippines. In 2017 Vivo smartphones entered smartphone market in Russia, Sri Lanka, Taiwan, Hong Kong, Brunei, Macao, Cambodia, Laos, Bangladesh and Nepal. Vivo Philippines required a composition of time & attendance and access control systems and ZKTeco is selected to provide a solution.

Project Site: Vivo Philippines

Project Requirements

Reliable Biometric Verification Method for Attendance

Vivo Philippines currently employs 200 staffs for its operation. To ensure genuine attendance records are taken, a reliable authentication method which prevents illegal and improper verification must be deployed. Conventional verification methods including password and card could hardly verify the authenticity of the password or card holders' identities, a **truly reliable verification** method of a person's identity thus become the critical point of the security. Thus it requires a **biometric verification** method with unique authentication of a person's identity.

Increasing Security Level

Vivo also requires strict identity verification of both staffs and visitors, they wanted a combination of RFID and Fingerprint as a protection of the staff within the area. Visitors must be registered in the logbook and managed by the staff.

Central Online Management

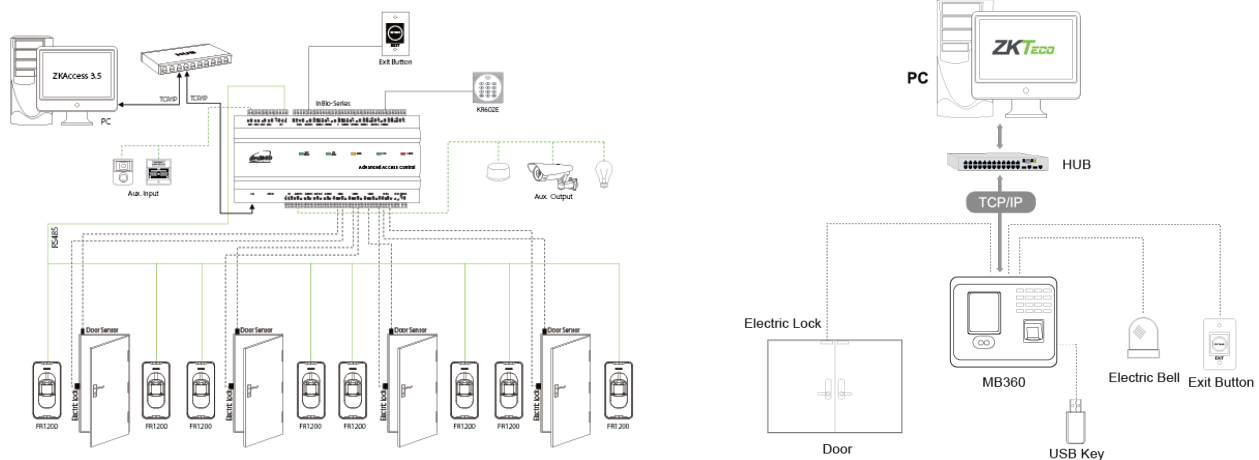
Vivo also required that all transaction records can be seen online for more efficient management.

End User: Vivo Philippines

Configurations

System	Device Name	Device Model
Software	ZKTime.Web 2.0	Attendance management software
	ZKAccess 3.5	Access control software
Hardware	Time & attendance terminal	MB360
	Access control fingerprint reader	FR1500
	Access Controller	InBio460
	Electric locks	Electric locks

Schematic Diagram



Technical Features

- The site is deployed with 1 unit of MB360 Time & attendance terminal, 8 units of FR1500 access control fingerprint readers, the readers are connected to and managed by a unit of inBio 460 access controller.
- For visitors, they are required to obtain a card for access and registered with their fingerprints for access.
- The MB360 is connect to computer and managed by the ZKTime.Web 2.0 time & attendance software. The 8 units of FR1500 access control fingerprint readers and the inBio 460 access controllers are connected to and centrally managed by the ZKAccess 3.5 access control software. All transaction records are readable online.
- All staffs are registered with their personal information, fingerprint and face information. They are required to verify themselves with their fingerprints and face images for attendance.

Function Description

- Multiple verification modes are supported. Fingerprint and RFID card must be used for Vivo Philippines employees.
- The system stably manages the access of 200 employees/ FR1500 is used to manage entrance and exit over 200 employees.
- The software uses browser/server architecture and displays monitoring information in real time. ZKTime.Web 2.0 is a web-based Time Attendance software, which provided a stable communication for devices through GPRS/WAN. Users can access to the software anywhere by their web browser to remotely manage hundreds of T&A terminals under complex network condition (WLAN).
- Reports can be exported as required. Time attendance and access control reports can be exported as required.

