Horus

Wireless Facial Recognition Time Attendance Terminal

The trend of Visible Light Facial Recognition technology have brought user experience of biometric technology to a new height. As one of the biometric industry leaders, ZKTeco launched the second-generation facial recognition terminal–Horus series, named after an Egyptian god, who has the legendary "all-seeing eye" that can clearly observe everything. Horus is one of the most advanced Access Control & time and attendance terminal existing in the market, with incredibly compact size (almost the same size as iPhone XS max) and powerful facial recognition technology offering up to 3 meters recognition distance, ±30 degree pose angle tolerance, high anti-spoof ability, support on plentiful communication protocols (Wi-Fi, 3G, 4G, Bluetooth) and worldwide network setting, optional fingerprint and RFID card modules, up to 10,000 facial templates capacity, and is compatible with the all-in-one security & time attendance platform ZKBioSecurity and ZKBio Time.
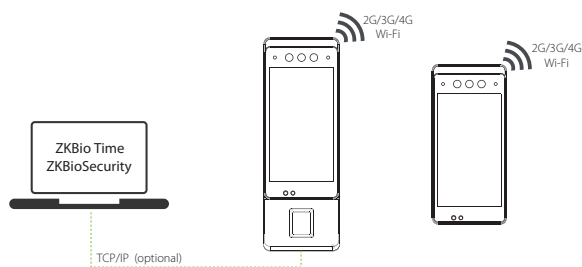
Features

- New height of facial recognition template capacity up to 1: N-10,000 facial templates.
- Anti-spoofing algorithm against print attack (laser, color and B / W photos), videos attack, and 3D mask attack.
- Supports multiple communication protocols: 4G, Wi-Fi, Bluetooth.

- 5-inch smartphone grade IPS touch LCD monitor.
- Extensive Fingerprint, RFID, TCP / IP, modules available.
- Extra-large 2MP CMOS with WDR function.
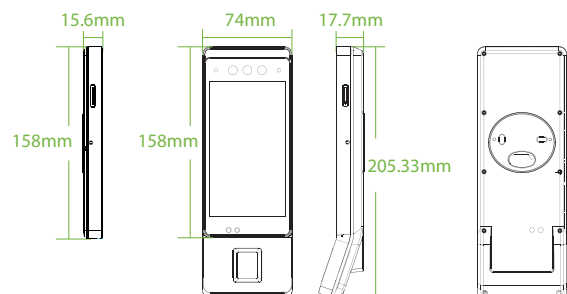- Various further development options:microphone and PIR sensor.

Specifications

	Horus E1	Horus E1-RFID	Horus E1-FP
Picture			
CPU	Quad-core, 1.5GHz		
Android Version	Android 8.1		
Memory	RAM 2GB / ROM 16GB		
Camera	2MP Dual Camera		
LCD	720*1280, IPS touch LCD		
Verification Mode	Face	Face + RFID	Face + Fingerprint + RFID
Face Capacity	6,000 / 10,000 (optional)		
Fingerprint Capacity	N / A	N / A	6,000 / 10,000 (optional)
ID Card / MF Card	N / A	10,000	
Access Control (DM10 Module)	N / A	optional	
TCP/IP	N / A	10 / 100 Mbps	
Wi-Fi	2.4GHz, 5GHz, 802.11a / b / g / n		
Bluetooth	4.0		
4G Wireless Broadband	GSM: B2 / B3 / B5 / B8 WCDMA: B1 / B2 / B4 / B5 / B8 TDD-LTE: B38 / B40 / B41M FDD-LTE: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B17 / B20 / B28A / B28B'		
Speaker	90DB (10cm distance)		
Microphone	1m clear voice pickup		
Dimensions	158 * 74 * 15.6mm	205.33 * 74 * 17.7 mm	
Power	12V 2A		
Operating Temperature	0℃~50℃		
Operating Humidity	20% — 80%RH		
Certifications	CE, FCC, RoHS		

Configuration

ZKBio Time
ZKBioSecurity

2G/3G/4G
Wi-Fi

2G/3G/4G
Wi-Fi

TCP/IP (optional)

Dimensions (mm)

15.6mm

74mm

17.7mm

158mm

158mm

205.33mm

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BioTime Cloud 2.0

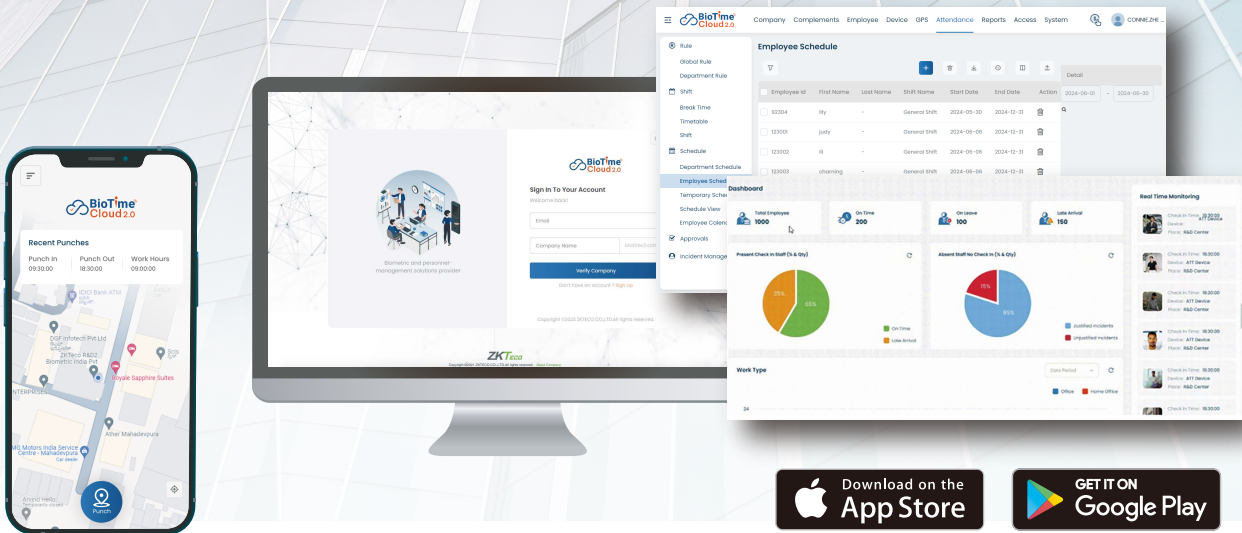## Powerful Cloud-Based Time and Attendance Management Platform

BioTime Cloud 2.0 is an innovative cloud-based time and attendance solution, taking usability, remote service, and SMB management to new heights. With AWS services, BioTime Cloud 2.0 offers stable and fast connections for both PC and smart device logins. Mobile services such as remote check-in/out, geo-fencing, T&A performance checking, leave application, and more functions are available on the BioTime Cloud 2.0 app (available on iOS and Android). BioTime Cloud 2.0 promotes advanced and professional T&A functions for all corporations to enhance time and attendance efficiency and improve employee performance.

Web Interface for Time and Attendance

Flexible Schedules and Calendars

Employee Session

Request and Approval Alerts Via Email

Automatic Export of Attendance Reports

Attendance Report Calculation

Schedules by Groups

Real-Time Monitoring

Security Settings

Multiple Approvers

Mobile App

Overtime Report

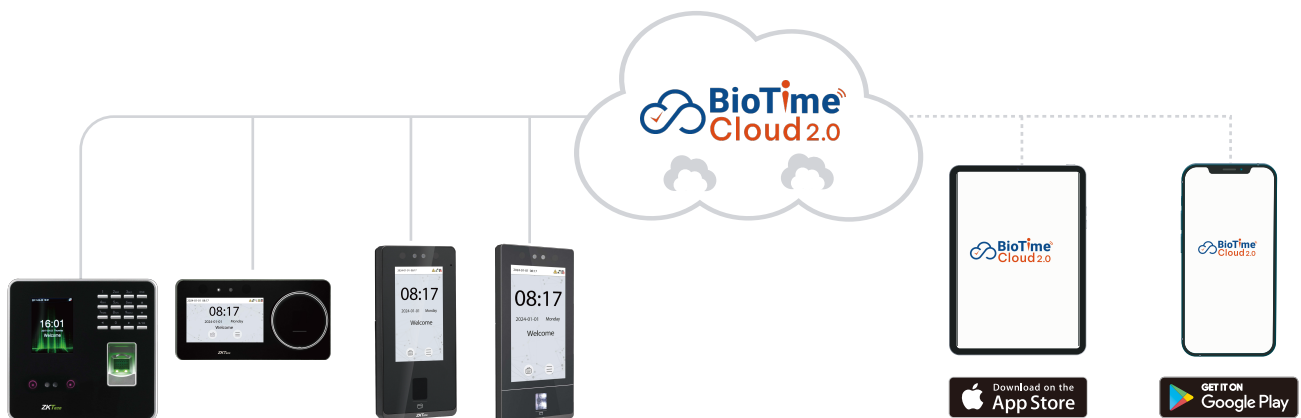# Powerful Cloud-Based Time and Attendance Management Platform

BioTime Cloud 2.0 is a powerful cloud-based time and attendance management software that provides a stable connection to ZKTeco's standalone push communication devices via Ethernet, Wi-Fi, GPRS, 3G, and LTE, and works as a cloud to offer employee self-service through mobile applications and web browsers. Multiple administrators can access BioTime Cloud 2.0 from anywhere using a web browser. It can easily handle thousands of devices and tens of thousands of employees and their transactions.

Mobile Attendance Solution

ZKTeco BioTime Cloud attendance App is designed to provide employees a time attendance software that employees can record their attendance anywhere within boundaries of the company areas. The solution gives a mobile connection to BioTime Cloud which allows users to use their smart devices (iOS/ Android) to punch-in whenever and wherever they need.

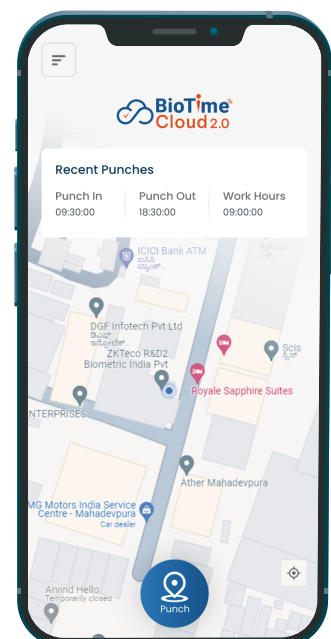### Mobile Punch In and Punch Out for Time Attendance Records

User simply turn on the application on smart devices (iOS/ Android). Click the punch-in button, the clock-in/ out and attendance will be recorded.
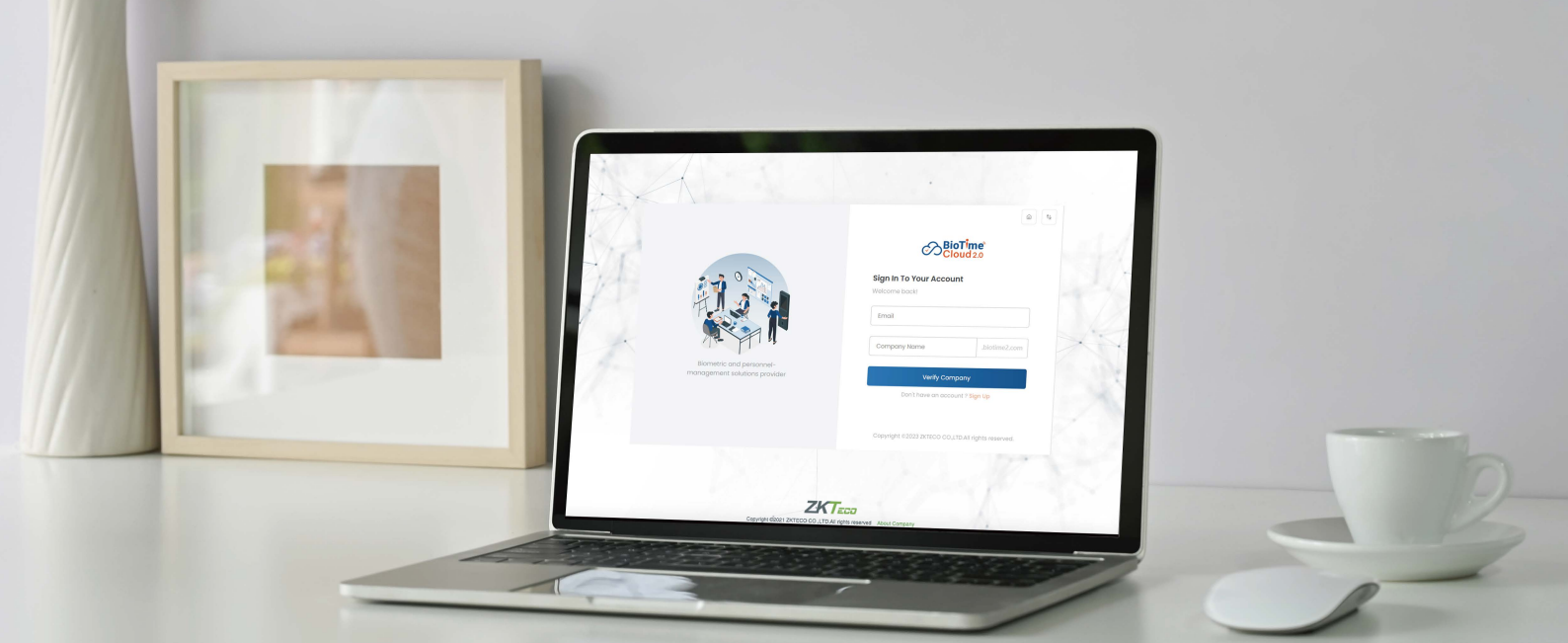
Leave Request & Employee Personal Check

With the mobile app, users may apply for leaves or field duties instantly in any mobile device, which provides quick and easy approvals without complicated and time-consuming procedures. Users can view their annual leave and sick leave in leave balance via the BioTime Cloud 2.0 App.

GPS Tracking - Reporting to administrators

With the mobile app, the position of staff can be precisely obtained through position reporting.
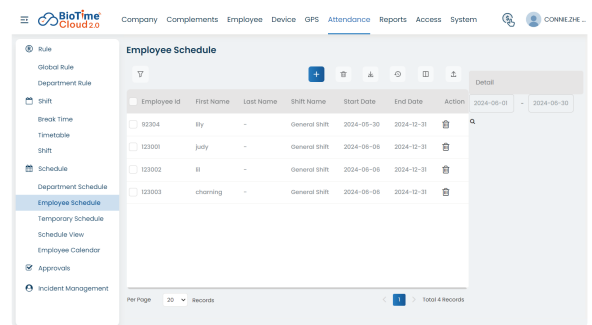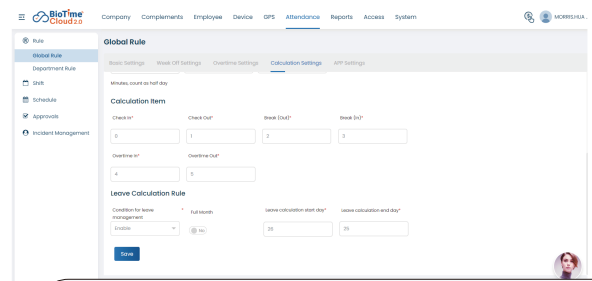
Cloud-Base Time and Attendance Solution

Global Rule & Local Rule Integration

BioTime Cloud 2.0 is a powerful time & attendance software which can set up various attendance rules that are applicable for the whole company, individual departments, individual attendance group. Users can set the attendance parameters like check-in, check out, overtime rules, rule for non-scheduled days.

Multiple Scheduling

Software administrator can assign flexible scheduling, auto-shift scheduling, department scheduling, group scheduling, and temporary scheduling which support cross-day timing to the employees.

Unlimited Log-In

The quantity of areas and the number of personnel in an area are not limited, which enable BioTime Cloud 2.0 to perfectly achieve the inter-area personnel.

- Multiple Timetables
- Flexible Shift
- Overtime Level
- Auto-Shift
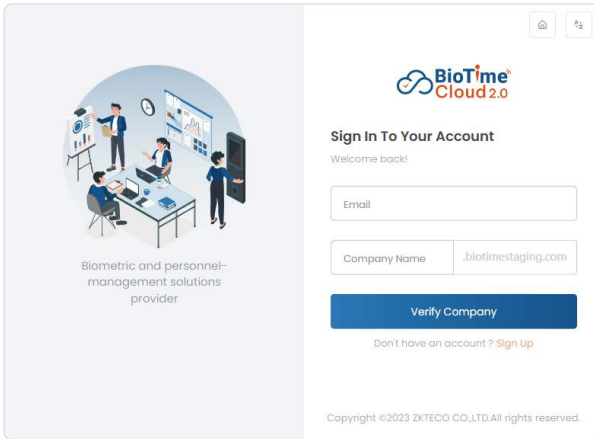- Cross Day Shift
- Shift Cycle

High Scalability

BioTime Cloud 2.0 offers high scalability to guarantee proper operation with thousands of time attendance terminals' connection to the cloud system, which helps business stay nimble and competitive with sudden increase of demand of traffic or workload.
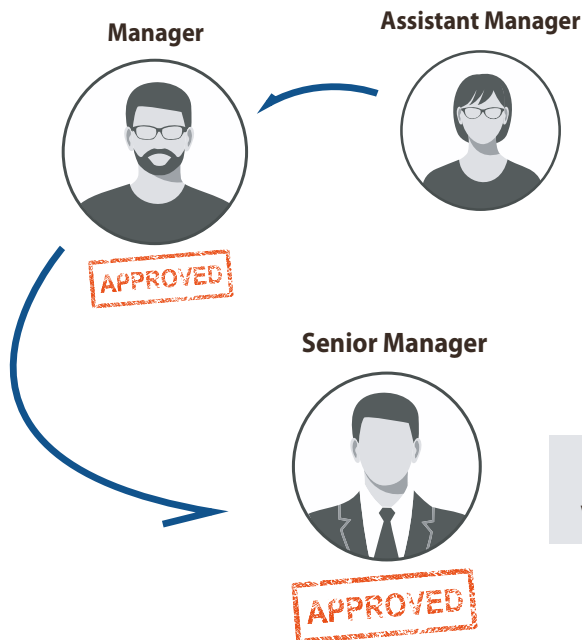

Cloud-Based Time & Attendance Software

Users can access the cloud system anywhere by their cloud-based browser to remotely manage thousands of PC & smart devices under the complex network (WLAN).

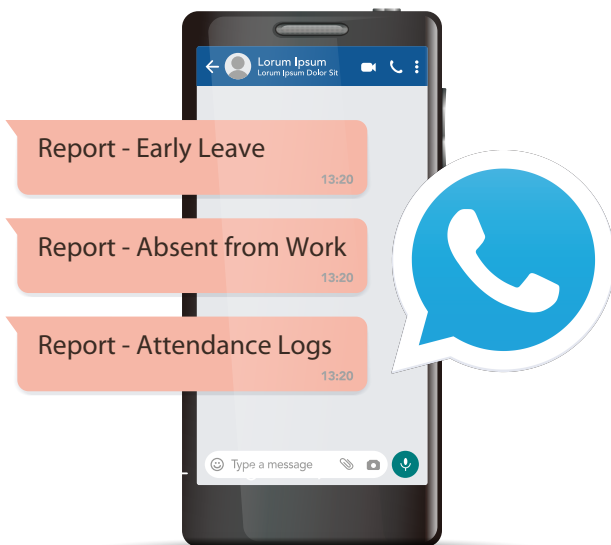## Easy Installation and Maintenance - A Simple Setup Gets You on the Cloud

BioTime Cloud 2.0 provides a costly yet convenient and high-quality informatized management tool that is fully implemented and offers extremely easy-to-use time attendance functionality without the need for any external server. Users can simply sign up for an account via a web browser or install the Android and iOS apps. When using our cloud service, you never need to install or manage a license server.

Integration with WhatsApp Application

BioTime Cloud 2.0 is integrated with WhatsApp mobile application to send a notification of attendance logs, absent from work and early leave message from the cloud software to WhatsApp in real-time. It can also send daily attendance reports to the Team Leader through WhatsApp.

E-mail notifications regarding the application will be sent to the relevant approving authority.

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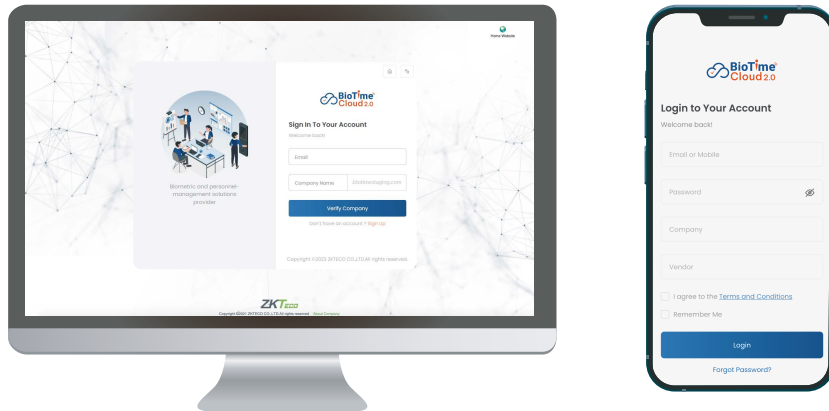
Attendance Reports and Calculation

Filtering attendance records by department, area and group. Users can save filters (excluding the Period) and report fields as a template. Next time, users just need to load the template to check the data of related attendance report. The attendance reports can be exported in CSV, PDF, TXT, and XLS format. Once there is a new punch record or approved leave, overtime application etc., the software will start attendance calculation automatically.

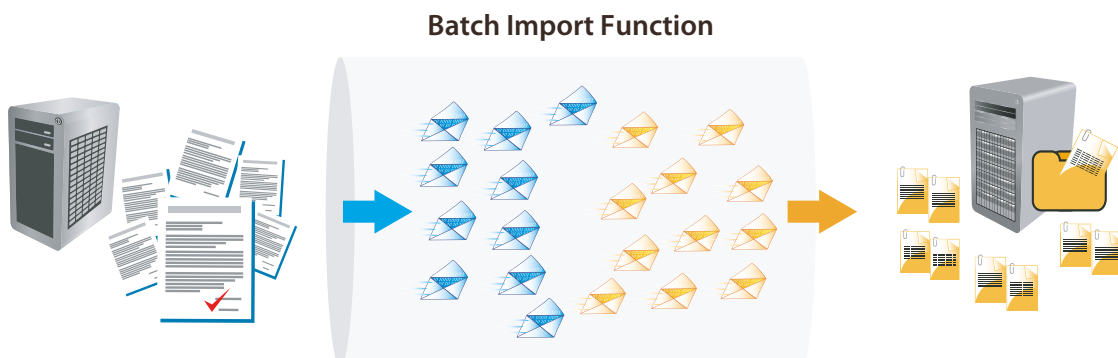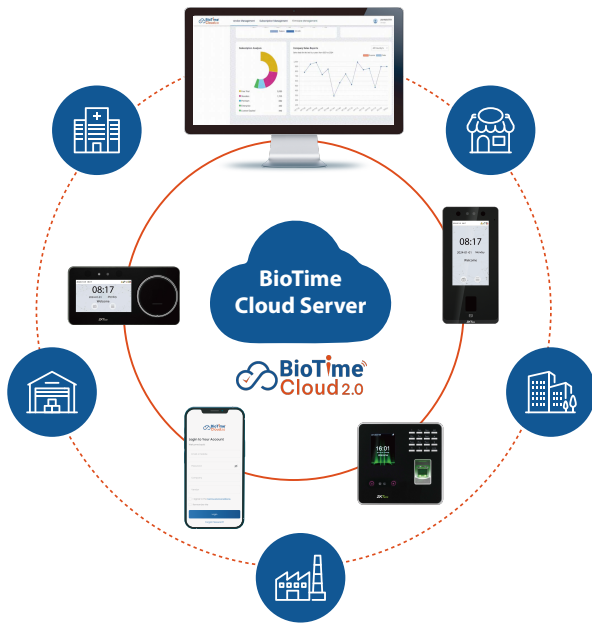| No.	First Name	Last Name	Department	Late	Early Leave	Absent	Late Times	Absence Times	Normal OT	Weekend OT	Holiday OT
						Attendance Summary					
						Date: From 01/05/2017 to 04/10/2017					
1		Gridley	Executive Director	0	00:15				00:00	00:00	00:00
2	Nelle	Mcdermott	Executive Director	0	00:00	3		3	04:07	00:00	00:00
3	Lucy	Land	Account	0	00:00	12		12	00:00	00:00	00:00
4	Karl	Pillai	Admin	0.5	00:00		1		00:00	00:00	00:00
5	Dahlia	Hole	Admin	0	00:00	4		4	00:00	00:00	00:00
6	Gay	Dragon	Admin	0	00:00	1		1	00:00	00:00	00:00
7	Jenifer	Ocasio	Executive Director	0	00:00	0		0	00:00	00:00	00:00
8	Marjorie	Hoxie	Account	0	00:00	0		0	00:00	00:00	00:00
9	Machelle	Stickle	Account	0	00:00	0		0	00:00	00:00	00:00
10		Rodriques	Finance	0	00:00	0		0	00:00	00:00	00:00
11		Montana	Finance	0	00:00	0		0	00:00	00:00	00:00
12	Clarice	Seppala	Human Resources	0	00:00	0		0	00:00	00:00	00:00
13	Elane	Asbell	Human Resources	0	00:00	1		1	00:00	00:00	00:00
14	Leonor	Flickinger	Executive Director	0	00:00	3		3	00:00	00:00	00:00
15	Sherley	Purinton	Executive Director	0	00:00	3		3	00:00	00:00	00:00

Employee Self-Service

Employees can log in to the platform by web-browser and smart device to check their attendance and payroll records. Employees can also apply for leave, logs check and work overtime, which are to be approved by the manager or admin.
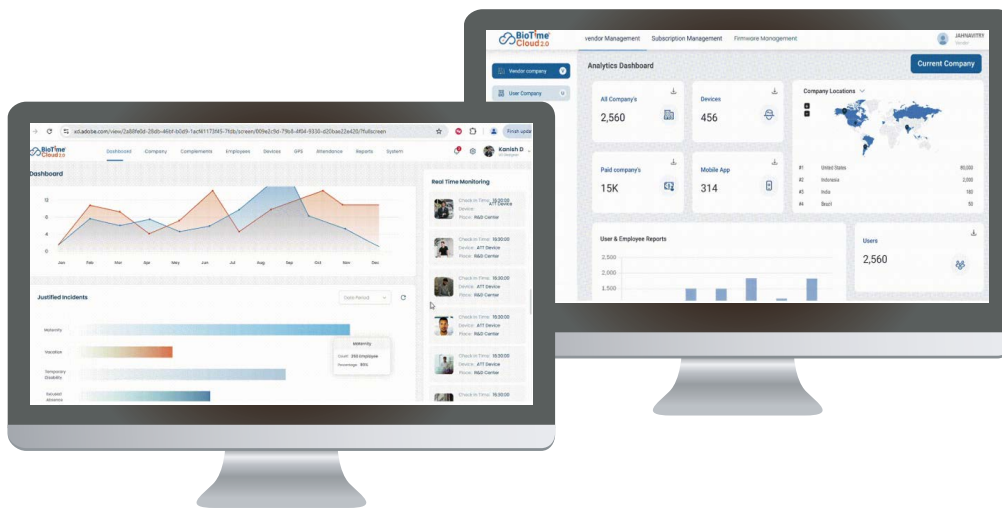
Batch Import Function

Users can refer to the import template, input the data and import employee schedule, temporary schedule, application of manual log, leave, overtime by batch.

Batch Import Function

High-Level Security - AWD Cloud Storage

Powered by Amazon Web Services, you can ensure that all your data is protected by AWS cyber security protocols, and all communications are encrypted by TLS 1.2. It ensures the availability and confidentiality of your data and provides end-to-end privacy and security.

Real-time Data Dashboard for Admin

The Admin Dashboard offers streamlined management and deep insights through real-time monitoring of employee punch data, daily status summaries, attendance analysis, work type distribution insights, and incident tracking for leaves, enabling efficient oversight and comprehensive understanding.

Full Overview Dashboard for Vendor/Supplier

The Vendor/Supplier Dashboard summarizes key data on companies, devices, and employees, with map views, subscription monitoring, and sales reports.