



Personalwolke
HR-Software



TIME TRACKING TERMINAL

for Work and Project Hours

powered by  **workflow**
Simplify your HR

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MANAGEMENT SUMMARY

Key Features & Benefits

The Personalwolke Time Tracking Terminal is available in three different versions:

- Working Time Tracking
- Working and Project Time Tracking
- Project Time Tracking (recording time by cost centers, projects, orders, or WBS elements)

The required software is pre-installed by our staff, and the terminal is shipped ready for immediate use.

The terminal allows for fast and reliable recording of working and project times. Thanks to its intuitive user interface, bookings can be made effortlessly in passing and are instantly available in real time.

Suitable for companies of all sizes and industries, the electronic terminal can be customized to your needs and is ready for immediate use without extensive training.



Ready to use instantly

Each booking terminal is ready for operation with your Personalwolke Time Tracking system right out of the box. All recorded working and project times are synchronized in real time with the Personalwolke system. You can easily manage all transferred data in the web-based platform on your PC.



Supports almost all NFC and Chip Card Technologies

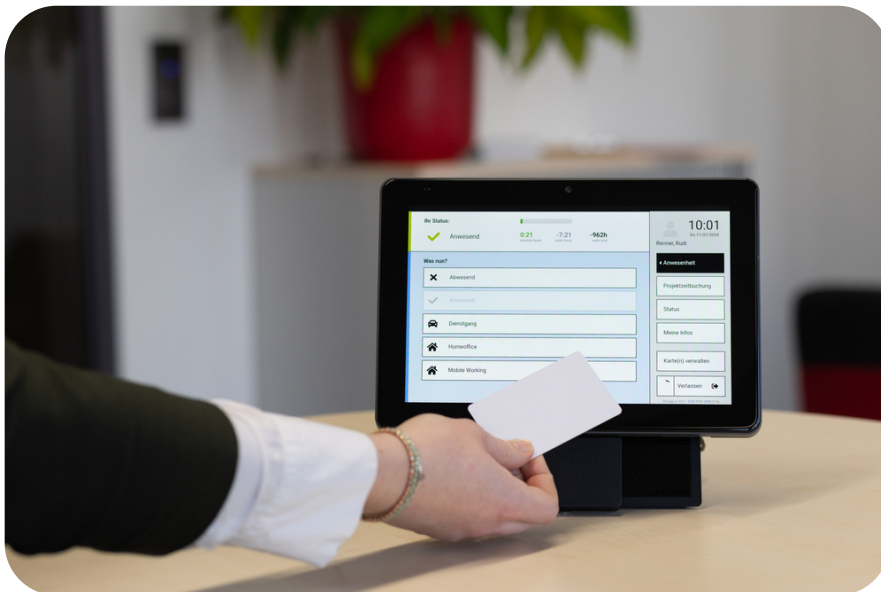
Bookings can be made with any card or chip using NFC, Mifare, Legic, Hitag, and many other technologies (see page 8 for details).

Lost or forgotten booking cards can be replaced directly at the terminal by the employee themselves using a new card.

You can even reuse existing chips, saving time during assignment.

MANAGEMENT SUMMARY

- ✓ **More Than Just Time Tracking**
Record project times alone or together with working hours — all on a single stationary terminal. Additional data or booking reasons such as business trips, doctor visits, and much more can be created individually. Simplify your processes and provide your employees with one central portal for everything.
- ✓ **Suitable for Many Industries**
Companies across various industries benefit from this simple and convenient way of recording working and project times. It is especially ideal for organizations where employees do not have access to a PC or smartphone at the workplace.
- ✓ **All Information Available at the Terminal**
By simply holding the card to the reader, employees can not only clock in and out but also access an information portal. Here, they can view important details such as remaining vacation days, overtime, and more.
Reduce inquiries and increase transparency throughout your organization.



TIME TRACKING TERMINAL FOR WORKING HOURS

Simple Time Tracking at the Terminal

Recording working hours is quick and easy with the time tracking terminal: by simply holding a key fob up to the card reader, the employee is identified and can start or end their working time.

All data is immediately transferred to the time tracking system. This allows you to maintain an overview across multiple locations or offices, and within the Personalwolke web application, you can see whether a colleague is already on site or working remotely from home.

The time tracking terminal also enables employees without access to a PC or smartphone to record their working hours and view key information. For this reason, the device is typically installed near office entrances, break rooms, or work halls, allowing employees to log their times as conveniently as possible.

Key Features

- Time tracking via key fob
- Display of current daily balance at the time of booking
- Recording of absence reasons (e.g. business trip, doctor's visit, etc.)
- Access to personal time accounts
- Real-time reports and analyses via PC

Ideal For

- Companies focusing solely on working time tracking
- Use at entry and exit points of offices, production sites, construction yards, and more



TIME TRACKING TERMINAL FOR WORK AND PROJECT TIMES

Simple Working and Project Time Tracking for Maximum Flexibility

This terminal offers even greater flexibility and reliability. With just one booking, both working time and project time tracking are started simultaneously. The last booked project is automatically selected and recorded. This automatic dual booking can also be separated, allowing working times and project times to be recorded independently.

By holding a key fob or chip card (NFC or Mifare) up to the reader, employees can select and record the corresponding project. In addition, the terminal allows users to define favorite projects, minimizing time-consuming searches.

Administrators can also restrict projects to specific terminals or employee groups — reducing incorrect bookings to a minimum and saving valuable time.

Key Features

- Simultaneous working and project time tracking via key fob
- Display of current daily balance at the time of booking
- Project search function
- Definition of favorites for faster selection
- Immediate access to personal working and project time accounts via PC

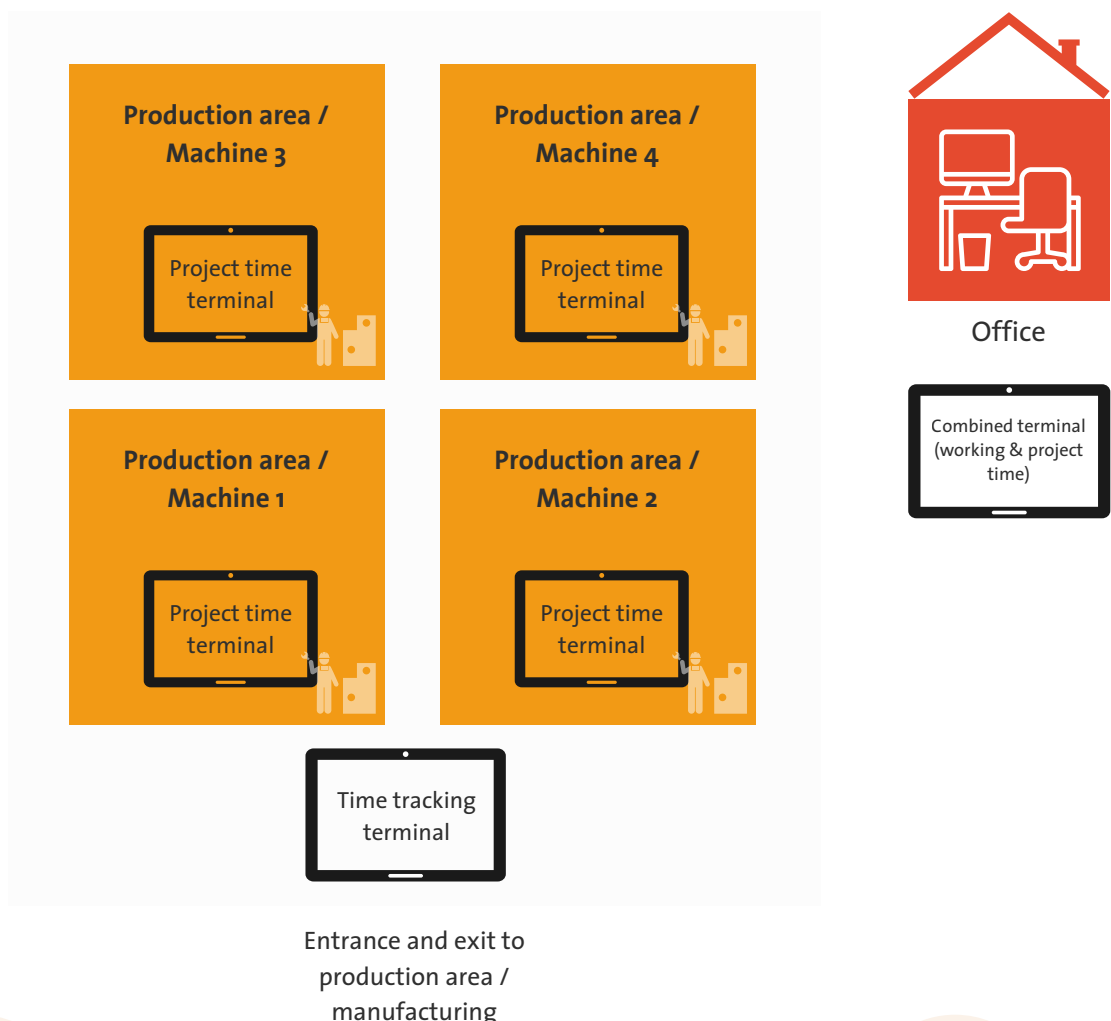
Ideal For

- Companies with both working and project time tracking
- Manufacturing companies — at entry and exit points, across different production areas or machines
- Industrial businesses
- Construction sites and site containers
- Cleaning staff
- Employees who regularly leave the workplace for tasks such as vehicle demonstrations

EXAMPLE: TIME TRACKING TERMINAL FOR WORK AND PROJECT TIMES

This example illustrates a possible setup of booking terminals in a production environment. For production employees who do not have access to a PC or smartphone, the workday begins by clocking in at the time tracking terminal located at the entrance. Throughout the workday, employees can record their project times at various workstations or machines using a start-stop project booking process. Breaks and clocking out at the end of the day are also recorded at the terminal located near the exit.

For office employees with PC workstations, a combined terminal — enabling both working time and project time tracking — is used. This allows employees to record both working and project times directly upon entering the building. Additionally, when starting a working time booking, the last booked project can be automatically assigned.



SCOPE OF DELIVERY & FUNCTIONALITY

Scope of Delivery

The terminal — an Android tablet equipped with a precise and reliable touchscreen display — is delivered including a card reader and wall mount.

The supplied card reader must first be attached to the tablet and then connected via the included cable.

Power Supply

The booking terminal requires a permanent power and internet connection to operate. Internet connectivity can be established via:

- LAN
- Wi-Fi, or
- SIM card (4G capable)

Booking Logic

Working and project time entries are recorded completely contactless at the terminal and confirmed by both acoustic and visual signals.

This ensures wear-free and durable time tracking.

Card Assignment

One of the many advantages is self-service card management directly at the terminal.

If an employee forgets or loses their card, they can easily assign a new one directly at the terminal. The new assignment automatically overwrites the previously assigned card.

Administrators can also manage employee cards or NFC tags either directly at the terminal or within the Personalwolke system.

This function allows for centralized management of all existing NFC tags, providing better organization and oversight.

Settings & Language

Available in German and English.

All configuration settings can only be made by an administrator.

TECHNICAL DESCRIPTION

Terminal

Two Different Hardware Variants

	10.1" Android Device	10.1" Android Device*
✓	Android 9	Android 12 / StarOS 10.2.5
✓	Resolution: 1280 x 800	Resolution: 1280 x 800
✓	WiFi, Bluetooth, Lan with PoE	WiFi, Bluetooth, Lan with PoE
✓	NFC Reader	NFC Reader or Elatec Multitech 3 Legic MLF HF
✓		Quadcore Cortex-A55
✓		32 GB eMMC / 4 GB DDR4

*Supported Transponders

LEGIC: LEGIC Prime, LEGIC Advant

ISO14443A: MIFARE Classic EV1, MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2, MIFARE DESFire Light, MIFARE Plus S/X, MIFARE Pro X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move)

ISO14443B: Calypso, Calypso Innovatron protocol, CEPAS, HID iCLASS, Moneo, Pico Pass, SRI4K, SRX4K, SRI512, SRT512
ISO18092 ECMA-340: NFC Forum Tag 1-5, NFC Peer-to-Peer, Sony FeliCa, NFC active and passive communication mode
ISO15693: EM4x33, EM4x35, HID iCLASS, HID iCLASS SE/SR, ICODE SLI, LEGIC Advant, M24LR16/64, SRF55Vxx (my-d vicinity), Tag-it, PicoPass

125 kHz, 134.2 kHz: AWID, Cardax, CASI-RUSCO, Deister, EM4100, EM4102, EM4200, EM4050, EM4150, EM4450, EM4550, EM4305, FDX-B, EM4105, HITAG 1, HITAG 2, HITAG S, ICT, IDTECK, Isonas, Keri, Miro, Nedap, PAC, Pyramid, Q5, T5557, T5567, T5577, TIRIS/HDX, TITAN (EM4050), UNIQUE, ZODIAC

BIOMETRIC FINGERPRINT SCAN

Rethinking Time Tracking – Secure, Fast, and Tamper-Proof

With the new biometric fingerprint scan, Personalwolke brings maximum efficiency and convenience to time management. A quick scan is all it takes to record working hours in seconds — no chip card, badge, or PIN required. Lost or shared cards are no longer an issue: only employees physically present can clock in, ensuring fairness, transparency, and absolute security.

Regarding data protection, you're fully covered: fingerprints are not stored, but instead converted into a unique encrypted hash code. This keeps the system GDPR-compliant, reliable, and trustworthy. Up to 10 fingers per person can be registered, with at least two recommended for smooth operation in every situation.

The result: reduced administrative effort, higher efficiency, and a solution that convinces both employees and HR departments alike.

Key Features

- Time tracking via biometric fingerprint scan
- Absolutely tamper-proof: only personal presence counts
- Stored as encrypted hash code (GDPR-compliant)
- Up to 10 fingers per person can be registered
- Instant integration into Personalwolke Time & existing HR processes



Popular Use Cases

- Manufacturing and industrial operations
- Construction sites and mobile workplaces
- Field service and cleaning staff
- Anywhere secure, fast, and convenient time tracking is required

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