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Integrated Solutions cc

Fingerprint biometrics for attendance control

NCheck Finger Attendance

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CONTENTS

NCheck Finger Attendance is an **end-user biometric system designed to automate employee attendance control.** The system is intended for small or medium-sized businesses.

The NCheck software uses biometric fingerprint identification to track the time of each employee presence, automatically calculates summary time for each employee and generates printable reports. The software can be installed on a desktop computer or laptop (PC) that is running under Microsoft Windows. Also the software can be used in kiosk systems that are based on PC hardware, mounted fingerprint scanner and Windows OS.

- Attendance control automation system using fingerprint biometrics.
- Fingerprint biometrics protect against errors or employee fraud.
- Ready-to-use software with friendly user interface.
- Reports generation for employees' attendance.
- Fast operation based on reliable NIST MINEX-compliant fingerprint engine.
- 90+ models of fingerprint scanners supported.
- 30-day trial with full functionality available for download.

Application Details

Full control on employee attendance. The NCheck software allows registering all arrival and departure events for every employee. There are no software limitations on how many times an employee checks with the system, so all leaves can be registered with the systems.

Reports generation. Time and attendance reports with daily summary times for all or selected employees can be automatically generated and printed. The reports can be generated for current day, week, month or for a custom time interval.

Data export. The time and attendance data can be exported to XLS or CSV files. The data is exported for a selected month or custom time interval as daily summaries.

Notifications via email. A notification is sent to an employee who forgot to check with the system or in case of other issues. Optionally, a copy of the notification can be also sent to a dedicated user like HR manager or system administrator.

Managed by an administrator. An "administrator" user can log in to the NCheck with a password and perform these actions:

- manage the list of the employees;
- add or edit check-in/check-out events for a selected employee;
- manage the connected fingerprint scanners;
- generate attendance reports;
- configure other features of the application.

Technical Details

 Employee database size. A single installation of NCheck Finger Attendance is *recommended* for using in small or medium-sized businesses with up to 250 employees. The system itself is **not limited** by this number of employees and can maintain its operation when the number of employees grows up, but the peak hour usage with larger number of employees on a single checking station will be obviously inconvenient due to crowding.

 Fingerprint image size. The NCheck software performance and usage convenience strongly depends on the used fingerprint scanner, as the fingerprint image size has direct influence on the software performance and reliability. Using larger fingerprint images results in higher identification reliability but lower response time and vice versa. As the NCheck is intended for small or medium-sized businesses, the **optimal fingerprint image size** for NCheck software is about **300 x 400 pixels**.

 Employee enrolment and identification. The enrolment process for an employee requires to put one's finger on a fingerprint scanner and to enter employee name, meaning that the enrolment process is **fast and simple**. Later the employee has to just put his/her finger on the fingerprint reader for checking in or out. The NCheck software assures **fast response** during employee identification within a recommended database size.

 Several fingers for each user. The system allows enrolling more than one finger for each user to avoid user rejections if an incorrect finger was placed. Later, during the everyday check-in/check-out, employees can conveniently put any of their fingers on the fingerprint reader and be accurately recognized.

 Identification reliability. The NCheck Finger Attendance software is based on our own VeriFinger fingerprint identification technology that is **NIST MINEX compliant** and has received awards for its high reliability in competitions since 2000. The VeriFinger technology has been successfully used in more than 1500 end-user products over the past 14 years. See *VeriFinger brochure* for more information on identification reliability of the engine.

System Requirements

*We recommend installing NCheck Finger Attendance software on a separate **PC** or **laptop** that does not run any nonrelated applications. Such configuration is required for stable and optimal system performance.*

To install and run NCheck Finger Attendance software your system should meet the following requirements:

- An **x86 32-bit** or **64-bit** processor with at least **1.6 GHz** clock rate.
- At least **256 MB of free RAM** should be available for the NCheck software and its database.
- At least **2 GB** of free space on a **hard disk**.
- **Microsoft Windows XP / Vista / 7/ 8**, 32-bit or 64-bit.
- A **fingerprint scanner** that is supported by NCheck software. 300 x 400 pixels fingerprint image size is recommended; you may find more details in the comparison table of the supported scanners on the next page.

Supported fingerprint scanners supplied by Idversol Integrated Solutions

	Windows XP		Windows Vista		Windows 7		Windows 8	
	32 bit	64 bit	32 bit	64 bit	32 bit	64 bit	32 bit	64 bit
DigitalPersona U.are.U 4500/ 5160	+	+	+	+	+	+	+	+
Integrated Biometrics LES650/ Watson Mini	+	+	+	+	+	+	+	+

NCheck Finger Attendance Trial and Related Products

NCheck Finger Attendance **30-day Trial** application is available for downloading. Please contact us for a download link to the trial

The trial application has full functionality and allows evaluation of the capabilities of NCheck Finger Attendance in real environment. Constant Internet connection is required during the trial period.

These *software development* products are related to NCheck Finger Attendance:

- **VeriFinger SDK** – intended for *development* of PC-based fingerprint identification systems; NCheck Finger Attendance was developed with VeriFinger SDK. See "VeriFinger SDK" brochure for more information.

- **Free Fingerprint Verification SDK** – a **freeware** SDK intended for adding fingerprint verification functionality into various applications.

Licensing NCheck Finger Attendance

A license for NCheck Finger Attendance application is required for each PC that runs this application. The license is called *single computer license*.

Additional licenses for NCheck Finger Attendance application can be purchased at any time.

Please also refer to NCheck Finger Attendance Software License Agreement for all licensing terms and conditions. You can request a copy of the licensing agreement from Idversol Integrated Solutions.

Single computer license
A single computer license allows installing and running a NCheck Finger Attendance application installation on a single Personal Computer. The license will not be lost if computer will be reinstalled.

The installation license should be **activated** before starting using an NCheck Finger Attendance software installation. A **deactivation** is available in case the license needs to be moved to another PC.

The following license activation options are available:

- **automatic activation** – the NCheck Finger Attendance application will communicate with Neurotechnology's server and perform all actions needed for activation. Note that this method requires **Internet connection** when activating or deactivating the license for the PC with the NCheck Finger Attendance software; after the license is activated, the PC no longer needs to be connected to the Internet.

- **manual activation** – this method is suitable when the PC with NCheck Finger Attendance software is not connected to the Internet. The manual activation requires generating a hardware ID for the PC running the NCheck Finger Attendance software and requesting a license by email. See NCheck Finger Attendance documentation for detailed instructions.

- **use a dongle** – this method requires purchasing a dongle (special hardware token) that needs to be connected all the time to the USB port of the PC that runs the NCheck Finger Attendance software. No online registration required.

Single computer license activated over Internet or by email is not suitable for virtual environments. The dongle will be required.