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Fingerprint
biometrics for
attendance
control

NCheck Finger Attendance

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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.
- 65+ 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 to register 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.

Screenshots are available at: *www.neurotechnology.com/ncheck-finger-attendance-details.html*

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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**. See the comparison table of the supported scanners for more details on image sizes of specific scanners.

- **Employee enrollment and identification.** The enrollment process for an employee requires to put one's finger on a fingerprint scanner and to enter employee name, meaning that the enrollment 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 to enroll 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 successfuly used in more than 1000 end-user products over the past 12 years. See *VeriFinger brochure* for more information on identifcation reliability of the engine.

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System Requirements

*We recommend to install NCheck Finger Attendance software on a separate **PC** or **laptop** that do not run any non-related 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**, 32-bit or 64-bit.
  Note that most of the supported fingerprint scanners have only 32-bit support modules.

- 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

	Windows XP		Windows Vista		Windows 7	
	32 bit	64 bit	32 bit	64 bit	32 bit	64 bit
• Atmel FingerChip	+					
• AuthenTec AF-S2 / AES4000 / AES2501B	+					
• BioLink U-Match MatchBook v.3.5	+		+			
• Biometri-CS CS-Pass	+					
• Biometrika Fx2000 / Fx3000	+		+			
• Biometrika HiScan	+					
• Cross Match L SCAN Guardian	+		+		+	
• Cross Match Verifier 300 / 310 / 320	+					
• Dakty NAOS-A	+					
• Dermalog ZF1	+					
• Digent FD1000	+					
• DigitalPersona U.are.U 2000	+		+			
• DigitalPersona U.are.U 4000 / 4500	+	+	+	+	+	+
• Fujitsu MBF200	+					
• Futronic FS50 / FS80 / FS82 / FS88 / FS90 / eFAM (FS84)	+	+	+	+	+	+
• Futronic FS60	+		+		+	
• Green Bit DactyScan 26	+		+			
• Hongda S680	+					
• id3 Certis Image	+					
• Identix DFR 2080 / DFR 2090	+					
• Identix DFR 2100	+		+			
• Intech SOP1	+					
• Integrated Biometrics LES650	+	+	+	+	+	+
• Jstac Athena 210	+					
• LighTuning LTT-C500	+					
• Lumidigm Venus Series sensors	+		+		+	
• NITGEN Fingkey Hamster / Fingkey Hamster II / Fingkey Mouse III / eNBioScan-F	+	+	+	+	+	+
• SecuGen Hamster III / Hamster Plus / Hamster IV	+	+	+	+	+	+
• Startek FM200	+		+			
• Suprema BioMini / RealScan-10 / RealScan-D / RealScan-S / SFR300-S / SFU300	+					
• Tacoma CMOS	+		+			
• Testech Bio-i	+		+			
• TST Biometrics BiRD 3	+		+			
• UPEK Eikon / EikonTouch 300 / EikonTouch 700 / TouchChip TCRU1C / TCRU2C	+		+		+	
• VistaMT Multimodal Biometric Device[1]	+	+	+	+	+	+
• ZKSoftware ZK6000	+		+			
• Zvetco Verifi P4000	+					
• Zvetco Verifi P5000	+		+			

(1) The list of supported OS is given only for fingerprint scanner part of the device; the device is also able to capture faces and irises.

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NCheck Finger Attendance Trial and Related Products

NCheck Finger Attendance **30-day Trial** application is available for downloading at *www.neurotechnology.com/download-ncheck-finger-attendance-trial.html.*

The trial applications has full functionality and allows to evaluate 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. See our web site for more information.

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. Prices for the NCheck Finger Attendance licenses can be found on the next page.

Please also refer to NCheck Finger Attendance Software License Agreement on Neurotechnology web site for all licensing terms and conditions.

Single computer license

A single computer license allows to install and run 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 to generate a **hardware ID** for the PC running the NCheck Finger Attendance software and request a license at Neurotechnology web site or by email. See NCheck Finger Attendance documentation for detailed instructions.

- **use a dongle** – this method requires to purchase 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.

Prices

- These prices are **effective from May 19, 2010**. The prices may change in the future, so please **download and review the latest version** of the brochure before making an order.
- Quantity discounts do not accumulate over time.
- The prices do not include any local import duties or taxes.
- Product shipping cost depends on delivery country

NCheck Finger Attendance single computer licenses

Quantity	Price per license
1-9	€ 95.00
10-19	€ 69.00
20-49	€ 62.00
50-99	€ 54.00
100-199	€ 48.00
200 and more	Please contact us for more information

License management

USB Dongle (optional)	€ 16.00

NCheck Finger Attendance licenses can be ordered:

- online, at *www.neurotechnology.com/cgi-bin/order.cgi*
- via a local Neurotechnology distributor; the list of distributors is available at *www.neurotechnology.com/distributors.html*