



# Infor Factory Track Biometrics User Guide

---

**Copyright © 2018 Infor**

### **Important Notices**

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infor.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infor and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infor pursuant to a separate agreement, the terms of which separate agreement shall govern your use of this material and all supplemental related materials ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above. Although Infor has taken due care to ensure that the material included in this publication is accurate and complete, Infor cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infor does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Without limitation, U.S. export control laws and other applicable export and import laws govern your use of this material and you will neither export or re-export, directly or indirectly, this material nor any related materials or supplemental information in violation of such laws, or use such materials for any purpose prohibited by such laws.

### **Trademark Acknowledgements**

The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All rights reserved. All other company, product, trade or service names referenced may be registered trademarks or trademarks of their respective owners.

### **Publication Information**

Release: Infor Factory Track Release level 6.01.10

Publication date: February 23, 2018

---

---

# Contents

- About this guide ..... 5
  - Contacting Infor..... 5
- Introduction ..... 7
- Biometric System Architecture ..... 7
- Biometric process..... 9
  - Enrollment..... 9
  - Matching ..... 9
- Supported biometric device..... 10
  - Manufacturer Name: SecuGen ..... 10

---

## About this guide

This document provides a detailed explanation of the biometric processes and the required configuration.

## Contacting Infor

If you have questions about Infor products, go to the Infor Xtreme Support portal.

If we update this document after the product release, we will post the new version on this website. We recommend that you check this website periodically for updated documentation.

If you have comments about Infor documentation, contact [documentation@infor.com](mailto:documentation@infor.com).

---

## Introduction

The biometric system comprises of a biometric device that is connected to the Factory Track Shared Client Terminal. The components installed on FT Shared Client Terminal for accessing the biometrics data are:

- Biometric device drivers and Device SDK along with the runtime files.
- Factory Track Interface Service (Biometric Utility).

The FT Interface Service supports two operational modes:

- Administrator mode for the enrollment process of the employee.
- Shop Floor mode for the matching process of the employee's biometric data.

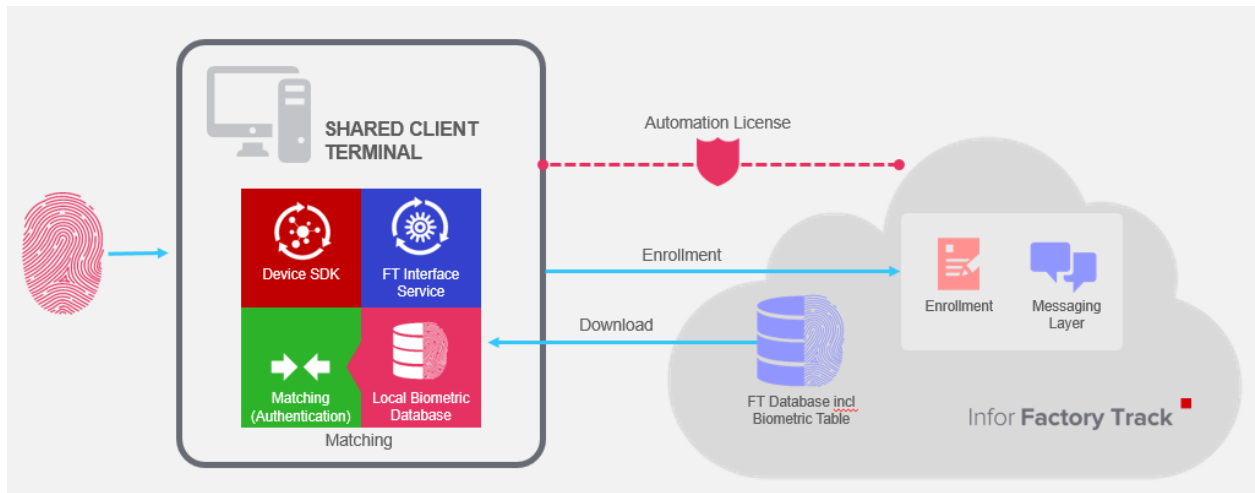
The processes required to scan, save and match the employee data in the Shared Client Terminal:

- Enrollment: The process to scan the employee biometric data which is stored in the local database.
- Matching: The matching process that verifies the employee fingerprints with the employee biometric data.

## Biometric System Architecture

The architecture of the biometric system comprises of these components:

- Shared Client Terminal: The PC/tablet used by the employees. Each terminal must have a separate biometric device.
- Device SDK: The device driver provided by the device vendor. This device is installed on the Shared Client Terminal. The device is used to match biometric information of the employee.
- FT Interface Service: This service is installed on the Shared Client Terminal and provides a configuration tool to configure the .NET program running on the terminal. The service uses SQL Server database to download and store employee biometric information.
- Automation License: The FT license module that enables external applications to communicate with the Factory Track IDOs.
- Biometric Data: The SQL Server database in which employee biometric data is stored.
- Messaging Layer: The Factory Track messaging layer is developed to send messages to the FT user (administrator/supervisor).



---

# Biometric process

The biometric process comprises of the Enrollment process, which is an administrative task and the Matching process, executed by the application.

## Enrollment

The Enrollment process is executed by a supervisor or an administrator. In this process, the employee biometric data is scanned in the biometric device and saved in the Factory Track database.

To execute the Enrollment process:

- 1 Connect the biometric device to the PC or Tablet.
- 2 Configure the utility and set the Factory Track Interface Service to the Enrollment/Download mode.

**Note:** The .NET program must be run on the PC to which the biometric device is connected.

- 3 Start the FT Interface Service.
- 4 Logon to the Administration module.
- 5 Access the Biometric Enrollment form.
- 6 Select the Enroll option in the Scan Mode section.
- 7 Scan the biometric data of the employee using the device.
- 8 Validate and eliminate duplicate scans if any. A new record is created in the FT database. The employee biometric data with the employee number is saved in the SQL Server database and the Factory Track database.

**Note:** If the employee data exists in the database, the 'Already Scanned in for Operator XXXX' error message is displayed.

- 9 Select the Test mode. The application validates the biometric information of the employee using .NET utility. If the validation is successful, the matched employee number is displayed.
- 10 Click Delete if required to delete the recently scanned biometric information of the employee.

**Note:** The Status column in the form displays 'To be Deleted' (X) status for the scanned records. In the Enrollment/Download mode, the records are deleted from the local SQL Server database. After deleting the records, the application resets the status of the records to 'Y'.

## Matching

The Matching process is used to verify the employee biometric information

To execute the Matching process:

- 
- 1 Connect the biometric device to the PC or Tablet.
  - 2 Configure the .NET utility and set the Factory Track Interface Service to the Matching mode.
  - 3 Start the FT Interface Service
  - 4 Logon to the Shop Floor module.
  - 5 Access the Employee Login Form in the FT application.
  - 6 Scan the fingerprint using the biometric device. The .NET program finds a match and displays a message with employee number. The employee can login successfully if the employee's biometrics scan matches with an entry in the database.

**Note:**

- If the .NET program fails to find a match, the 'Unsuccessful Scan – please try again' message is displayed.
- If the Biometric Device is not operational, the employees can also specify the employee number to login.

## Supported biometric device

The supported biometric device is:

**Manufacturer Name: SecuGen**

Supported Devices: Hamster Pro 20