

Meridian

Delivery Specification and Third-Party Components

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About this document

This document defines what is delivered with Meridian version 1.1.10.0, the environment the product requires, the licensing terms in functional outline and the third-party software components the product contains.

Prices, delivery dates and the parties' details are not part of this document; they are set in the contract.

1. Product identification

Item	Value
Product	Meridian
Version	1.1.10.0
Release date	2026-09-23
Type of software	Windows desktop application with a PostgreSQL database: warehouse, sales and cash-desk accounting with CRM elements
Deployment	Client and server components, all installed on the customer's equipment
Publisher	iMobile

Meridian keeps the warehouse records of a trading or service company: goods and stock, receipts, transfers and sales, price lists, discounts and loyalty cards, counter sales in a cashier window, and also customers, tasks, mail and money records. All data is stored in a PostgreSQL database on the customer's own server. The program is not a fiscal cash register: it issues no fiscal receipts and does not control fiscal devices.

A client-server system on the customer's own equipment. The program `Meridian.exe` is installed on every workstation from a Windows Installer package and connects over the network directly to a database on the customer's PostgreSQL server; the database is deployed by a script from the database kit. An HTTP API service for external applications can be used in addition: its executable is included in the package as `tools\MeridianDbTool.exe`, while the scripts that install the service are not part of the download set.

Vendor servers do not process customer data; the program contacts the iMobile account server `accounts.new-imobile.com` only to activate and check the licence.

2. Delivery set

2.1. Contents

- Installation package `Meridian-setup.msi` (Windows x64, about 158 MB): the program `Meridian.exe`, Russian interface resources `Lang\`, the screen catalogue `form_catalog.tsv` and `form_ancestors.tsv`, fonts `Fonts\`, OpenSSL libraries, the connection tool `tools\MeridianDbTool.exe`, a Python 3.12 runtime `python\` and packages `py\` (a region-specific document-exchange module with its format schemas, and a sample mail handler)
- Database kit `Meridian-db-kit.zip`: the scripts `deploy-db.ps1` and `upgrade-db.ps1`, the schema `010_schema.sql`, base content `020_content.sql`, migrations in `db\migrations`, demo data with its removal script, and `README.txt`
- Installation guide on the vendor's site in Russian and English (`README.ru.md`, `README.en.md`)
- Built-in help in English and Russian
- A licence key of the form `IM-MERI-...`, issued in the account at `accounts.new-imobile.com`
- This documentation set

2.2. Method of delivery

The installation package, the database kit and the installation guide are downloaded from the vendor's site <https://new-imobile.com> (the product page and the `/download/meridian/` folder). A file `latest.json` with the version, size and SHA-256 checksum of the package is published next to it. The package and the executables carry no code-signing (Authenticode) signature. The licence key is issued in the customer's account. No physical media are used.

2.3. Documentation

The documentation set consists of:

- Product Description and Functional Specification
- Installation and Administration Guide
- User Guide
- Software Lifecycle, Maintenance and Support
- Delivery Specification and Third-Party Components (this document)
- Security and Data Protection Statement
- a country annex for the customer's jurisdiction

3. Operating environment

3.1. Supported platforms

- Workstation: Windows 10 and Windows 11 (x64), Windows Server 2016 and later (x64)
- Database server: PostgreSQL 12 or later (16 recommended); the server is installed and maintained by the customer

3.2. Hardware and software requirements

- A computer running a supported 64-bit Windows version; no separate processor or memory requirements are set
- About 150 MB of disk space for the program files, plus room for logs, the attachment cache and downloaded updates in the user profile
- Windows administrator rights to install the program
- Network access from the workstations to the PostgreSQL server (TCP port 5432 by default)
- A PostgreSQL 12 or later server; its hardware requirements follow the PostgreSQL documentation and the data volume
- To deploy and upgrade the database: a computer with PowerShell 7 (`pwsh`) and `psql.exe` from a PostgreSQL distribution
- Outbound HTTPS access from the workstations to `accounts.new-imobile.com` (activation and licence check, at least once every 14 days) and to `new-imobile.com` (update check)
- A program window at least about 1130 pixels high, so that every navigation section can be reached with the mouse
- For the cashier window, as needed: a barcode scanner in keyboard mode, a printer installed in Windows, and Python 3 with the `pywin32` package to print the receipt

4. Licensing

4.1. Editions and terms of use

The licence is issued for a number of seats. A seat is taken by an employee who can sign in: one who has a login and the “active” tick; the number of computers is not limited. Plans: `meridian-free-10` — 10 seats, free of charge and without a time limit; `meridian-25`, `meridian-50`, `meridian-100` — 25, 50 and 100 seats, bought once and valid without a time limit. The first year of support (updates and assistance) is included with a paid plan and is renewed separately afterwards; without renewal the program keeps working on the installed version. There are no functional differences between the plans: every section is available in each of them. When the seats are used up, no further employee with a login can be created, while those already created keep working.

4.2. Activation

For the first 14 days after the first start the program works in full without activation. To activate, an employee opens the About window, enters a work e-mail address, receives a code by e-mail (valid for 30 minutes) and enters it together with the company's licence key. The account server `accounts.new-imobile.com` returns a licence string signed with ECDSA P-256; the program verifies the signature with a built-in public key and keeps the licence on the computer in a file protected with Windows DPAPI. The following is sent to the server over HTTPS: the e-mail address, the confirmation code, the product identifier `meridian`, the licence key, the token issued by the server and a machine fingerprint — a SHA-256 hash of the Windows MachineGuid value, the computer name and the serial number of volume `C:`. A stored licence works without the server for 14 days from its issue; after that the program requests it again. When a licence term ends, the program switches to view-only mode.

4.3. Updates

When a user signs in, the program requests the file `https://new-imobile.com/download/meridian/latest.json` from the vendor's site (by default no more than once a day) and compares the version in it with its own. A newer version is shown in the About window; the package is downloaded with the Update button, verified by size and SHA-256 and installed only on the user's command by starting `msiexec`. The check can be turned off or pointed at another address with the settings `UPDATE_CHECK` and `UPDATE_URL`. The structure of an existing database is upgraded separately with the script `upgrade-db.ps1` from the database kit of the same version.

5. Interface languages

The program interface is in English and Russian; the language follows the Windows language and can be switched from the window's system menu. The pages of the installation package are in Russian. The messages of the database kit scripts are in Russian.

6. Third-party components

Component	Version	Licence	Purpose
PostgreSQL	12+	PostgreSQL License	Database server. Not included in the delivery; installed by the customer

Component	Version	Licence	Purpose
Embarcadero RAD Studio (C++Builder) RTL and VCL	13	Proprietary, commercial (Embarcadero)	Runtime and user-interface libraries, linked statically into the executables
Devart UniDAC	—	Proprietary, commercial (Devart)	Access to PostgreSQL and to the encrypted connection file
DevExpress VCL	—	Proprietary, commercial (Developer Express)	Interface controls: grids, tree lists, scheduler
EhLib	—	Proprietary, commercial (EhLib Team)	Data grids and interface language switching
TMS VCL UI Pack	—	Proprietary, commercial (TMS Software)	Interface controls
TRichView	—	Proprietary, commercial (TRichView)	Viewing and editing formatted message text
FastReport VCL, FastScript	—	Proprietary, commercial (Fast Reports)	Printing documents from templates loaded by the administrator
JEDI Code Library (JCL), JEDI VCL (JVCL)	—	MPL 1.1	Utility components, the program log
Indy (Internet Direct)	10	Indy Modified BSD License / MPL 1.1	Receiving mail over IMAP
ICS (Internet Component Suite)	—	ICS licence (Overbyte, freeware)	Sending mail over SMTP, the POP3 protocol
HtmlViewer	—	MIT	Displaying HTML content
DCPcrypt	—	MIT	RC6 encryption of mailbox passwords
OpenSSL (libeay32.dll, ssleay32.dll)	1.0.2u	OpenSSL License / SSLeay License	TLS for receiving mail over IMAP; the libraries are installed next to the program
Python (Windows embeddable package)	3.12.10	PSF License Agreement	Runtime of the region-specific document-exchange module in the <code>python\</code> folder; contains the OpenSSL 3.0.16, SQLite 3.49.1, libffi and Microsoft Visual C++ Runtime libraries
Segoe UI (font files)	5.71	Proprietary (Microsoft)	Interface font; the files in the <code>Fonts\</code> folder are loaded by the program for itself only and are not installed into the system
WiX Toolset	3.14	MS-RL	Building the installation package; the WiX custom-action library is embedded in the package

Each third-party component is used under its own licence, named in the table. The table is a human-readable component list; a machine-readable bill of materials (SPDX or CycloneDX) is not part of this delivery.

7. Known limitations

- The program is not a fiscal cash register: it issues no fiscal receipts, does not control fiscal printers or payment terminals and sends nothing to tax authorities; the cashier window records the sale and the payment kind in the books and prints a non-fiscal slip

- The receipt is printed by an editable Python script on a Windows printer; the supplied script needs a separately installed Python 3 with the pywin32 package, and without it the sale is posted but nothing is printed
- Every workstation connects to the database under one PostgreSQL service role, `imobile`; its name and password are built into the program, are the same for all installations and cannot be changed, so access to the database server has to be restricted by network means
- The connection between the program and PostgreSQL is not encrypted; over untrusted networks a protected channel such as a VPN is required
- The program works without access to the vendor's account server for no more than 14 days from the issue of the licence; it cannot run for long in networks with no internet access
- There is no built-in backup: the database and the attachment store are backed up by the administrator with PostgreSQL and operating-system tools
- No ready-made print templates for documents are supplied: documents can be printed after the administrator loads FastReport templates
- The Documents section shows the list of documents; creating and editing a document card is not available in this version; the deals, claims, correspondence, business-trip and tender sections are not available in this version
- The telephony section is switched off in the navigation: calls from the program are not available in this version
- Receiving mail over POP3 does not store the received messages: IMAP is used for receiving; TLS for IMAP is provided by the OpenSSL 1.0.2 branch, which the OpenSSL project no longer maintains
- Looking up goods by barcode in an external catalogue, loading the vehicle catalogue and reference prices need an external catalogue service that is not part of the delivery; without it only the data entered into the database is used
- A mobile application and the scripts that install the HTTP API service are not part of the download set; the service does not provide TLS itself
- The left navigation does not scroll: with a window lower than about 1130 pixels the bottom sections fall off the edge of the window and cannot be reached with the mouse
- The purchase-price columns of the goods grid in a sale document are hidden by the program unconditionally and cannot be opened by a role; task reminders are generated when the Tasks section is opened, there is no background scheduler
- The pages of the installation package and the messages of the database scripts are in Russian only; some preset values (the retail customer name, the cash-desk wallets, the sample receipt) are supplied in Russian
- The region-specific document-exchange module is hidden in the international configuration and is outside the scope of this edition of the documentation
- The client program runs on 64-bit Windows only; there are no versions for other operating systems and no web interface

Document history

Document version	Date	Product version	Change
1.0	2026-10-06	1.1.10.0	First issue