

Release Note

ID Screen - Firmware S21-U (no GMS)

For online updates (latest firmware): please connect to our web site

<https://biometricdevices.idemia.com>

For support, please contact our hotline: support.bioterminals@idemia.com

1 Applicable models

S21-U firmware version concerns ID Screen.

Caution: Version downgrade is not possible

2 Current revision

2.1 Firmware version S21-U

Note: This version does not include the Google Applications / no GMS

If GMS needed, please check on <https://biometricdevices.idemia.com/s/id-screen> and download latest version of firmware: SXX-GW.

2.1.1 Evolutions

New features

None

New hardware support

None

Certification

None

2.1.2 Bugs fixed

NFC stops responding when contactless card is presented very fast repeatedly

Settings application crash when changing to any language except English, French or Chinese

Improvement of barcode reading: autofocus not working when using FocusMeteringAction

Solving sensor shutdown issue: after restart, biometric sensor is sometimes not detected

2.1.3 Identification of ID Screen hardware revision

The product hardware revision is identified by 2 items (“VER” & “Rev”) displayed on the IMEI label available on the back cover of the ID Screen tablet, as shown on the below example:



2.1.4 Compatibility with hardware

S21-U firmware is compatible with “ID Screen 32G” tablets.

2.1.5 Firmware upgrade methods

Warning: tablets which have an Android 10 secured firmware **SXX-U, SXX-GE or SXX-GW** (where XX is the firmware version) and which need to be upgraded to the **S21-U**

secured firmware **MUST** be migrated first to Android 12. Applying the following upgrade methods may damage the tablet. Migration is only possible from an **external storage**. Please refer to the migration guide to Android 12 available on our web site.

Warning: tablets which have an unsecured firmware **M0X-U, M0X-GE or M0X-GW** (where 0X is the firmware version) and which need to be upgraded to the **S21-U** secured firmware **MUST** be migrated to the S10-U firmware then migrated to Android 12. Migration is only possible from an **external storage**. For more information, please refer to the migration guides available on our web site.

Prerequisites:

- A firmware upgrade, which must be a zip file named IDScreen_firmware_update-X.zip, where X is firmware version.
- A FAT formatted micro SD card or USB key.
- ID Screen should have more than 20% charge left on the battery.

Several methods are available to upgrade ID Screen's firmware:

1. From Android
 - Switch on ID Screen.
 - If using an external storage
 - Copy firmware upgrade in micro SD card or USB key root folder.
 - Insert micro SD card in ID Screen or insert USB key in USB side port.
 - If using Android internal storage
 - Copy firmware upgrade from your computer or any other device to ID Screen root folder. If transferring upgrade package from a computer, it will require to enable file transfer. To do so:
 - Open Settings, go to Connected devices
 - Click on USB
 - In Use USB for section, enable File Transfer
 - Open *Settings*, go to *About tablet / Software updates*.
 - Click on *Check for updates*
A list should display all firmware updates locally found by ID Screen.
If your update file isn't displayed, please make sure that a file named *IDScreen_firmware_update-X.zip* (X is firmware version) is present in the internal storage of the tablet, or in inserted micro SD card or in plugged USB key.

- Select your firmware update in the list and confirm update.
 - ID Screen will reboot and upgrade its firmware.
2. From Recovery mode
- Switch off ID Screen.
 - While pressing Volume+ button, power on the device by also pressing the Power button.
 - When IDEMIA logo appears on screen, release the two buttons. Android Recovery menu will then show up.
 - If using an external storage
 - Copy firmware upgrade in micro SD card or USB key root folder.
 - Insert the micro SD card or the USB key.
 - Select the appropriate option (between SD card and usb storage) by using Volume+/- to move up and down in the menu, and Power button to select an item.
 - Then, find your firmware update in the list and start the update by pressing the Power button.
 - If using your host machine (Windows / Linux PC) with adb
 - Connect ID Screen to your host machine
 - On ID Screen, in recovery menu, select Apply update from ADB
 - From hostmachine, run following ADB command line :
\$ adb sideload IDScreen_firmware_update-X.zip
 - After the upgrade, ID Screen will stay in Android Recovery. You can then select Reboot system now to start Android.

Warning:

- Do not remove SD card or USB key during upgrade since it might damage ID Screen.
- Do not plug anything on USB type C port while upgrading from USB key since it might interrupt upgrade and damage ID Screen.
- Factory reset is required if updating from no GMS to GMS firmware, or from GMS to no GMS firmware.

2.1.6 Known issues

None

3 Previous revisions

3.1 Firmware version S20-U

3.1.1 Evolutions

New features

Migration from Andoid 10 to Android 12.

New hardware support

None

Certification

None

3.1.2 Bugs fixed

None

3.2 Firmware version S11-U

3.2.1 Evolutions

New features

Support SD Card and USB mass storage EXT4 formatted to read files bigger than 4GB.

Add possibility for MDM to upgrade the firmware remotely without system rights.

New hardware support

None

Certification

None

3.2.2 Bugs fixed

“Limit Maximum Charging” feature does not work properly when the tablet is switched off.

Runtime permissions not granted for apps installed through a customization package.

Prevent kernel suspend when user space drivers USB devices are in use

Kernel crash after specific USB requests

3.3 Firmware version S10-U

3.3.1 Evolutions

New features

Support of the LTE bands for the 4G US network (only for ID Screen US)

Enable double tap on screen to wake up tablet

New hardware support

Support of ID Screen US specific hardware

Certification

- PTA (Pakistan) eLabel added for ID Screen
- Only FCC eLabel is displayed for ID Screen US

3.3.2 Bugs fixed

Fix NFC issues for passport and identity cards reading

Other minor fixes (wifi)

3.4 Firmware version S08-U

3.4.1 Evolutions

New features

Advanced security features

New hardware support

None

Certification

New elabel : BIS

3.4.2 Bugs fixed

Minor fixes (LED & smartcard)

3.5 Firmware version M07-U

3.5.1 Evolutions

New features

Improvement of manual flash management

New hardware support

None

Certification

New elabel : ICASA

3.5.2 Bugs fixed

ADB sideload failure

3.6 Firmware version M06-U

3.6.1 Evolutions

New features

Improvement of contact card driver

New hardware support

None

Certification

None

3.6.2 Bugs fixed

Correction of some issues (LED API & wired connection detection).

3.7 Firmware version M05-U

3.7.1 Evolutions

New features

None

New hardware support

None

Certification

None

3.7.2 Bugs fixed

Correction of all issues in Ethernet menu and settings.

3.8 Firmware version M04-U

3.8.1 Evolutions

New features

None - First version of firmware.

New hardware support

None - First version of firmware.

Certification

None - First version of firmware.

3.8.2 Bugs fixed

None - First version of firmware.