

Arivia Contactless Card Reader Kit

HID OMNIKEY® 5127CK Mini – Installation, Configuration & User Guide

READER HID OMNIKEY 5127CK Mini	APPLIES TO Arivia models using approved reader kit: Arivia C2125, C2130, C3135, C3145, C4155, C4165, M2125, M2130, M3135, M3145, M4155	PURPOSE Authentication, accounting and secure print workflows
BEFORE YOU BEGIN: This document combines physical installation with device-level card-reader configuration and basic operation. For non-Arivia devices, please consult your device user manual and www.hidglobal.com/omnikey or www.hidglobal.com/support .		

1 About the Card Reader

The contactless reader supports 13.56 MHz/125 kHz credentials, KBW (Keyboard Wedge), CCID (Chip Card Interface Device), and USB. The Arivia card reader kit adds contactless credential support to compatible Arivia MFPs (multifunction printers). Depending on the device and authentication configuration, the card can be used to identify a user, restrict device access, support accounting, or initiate secure-release workflows.

1.1 Reader operating modes

The HID OMNIKEY 5127CK Mini can operate in two reader modes used by this platform. The active mode is shown in the device Configuration Report under Card Reader Software Version.

MODE SHOWN ON CONFIGURATION REPORT	INTERFACE	DEVICE-LEVEL WEB SETUP
5127CK CCID	USB / CCID	Configurable through the IC Card Reader Web Setup plug-in
OK5127CK KBW	USB / Keyboard Wedge	Reader settings are not configured through Internet Services

1.2 Readable credentials

Credential support depends on reader mode. “UID only” means the reader returns the card identifier rather than reading application data from the credential.

CREDENTIAL TYPE	CCID MODE	KBW MODE
MIFARE Classic 1K / 4K	Yes	Yes
MIFARE Plus S / Plus X	UID only	UID only
MIFARE Ultralight / Ultralight C	UID only	UID only
MIFARE DESFire	UID only	UID only
LEGIC advant-MV	UID only	UID only
CEPAS	No	Yes
HID Prox	Yes	Yes
HID iCLASS	Yes	Yes
HID Indala	Yes	Yes
HID Mobile Access	No	Yes
EM Prox	Yes	Yes
HITAG2	Yes	Yes

CREDENTIAL TYPE	CCID MODE	KBW MODE
FeliCa Standard	Yes	IDm only
FeliCa Lite / Lite-S	Yes	IDm only
NFC functions	No	No

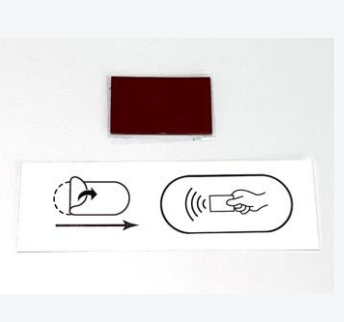
2 Kit Contents & Physical Installation

SAFETY - Shut down the Arivia MFP using the normal power-down procedure, then switch the main power OFF before connecting or routing the reader cable.

Find drivers and reader documentation for various operating systems at: www.hidglobal.com/omnikey

See the application note for card loading and handling instructions at: www.hidglobal.com/omnikey

2.1 Kit contents

			
HID card reader with industrial housing	USB Y-cable (for embedded use if the fax kit is installed)	1.8 m USB cable	- Mounting adhesive - Card reader location decal

2.2 Drivers, Manuals and Support

Drivers and Manuals: www.hidglobal.com/omnikey

Americas and Corporate	611 Center Ridge Drive Austin, TX 78753 USA
Asia Pacific	19/F 625 King's Road North Point, Island East Hong Kong
Europe, Middle East and Africa	3 Cae Gwyrdd, Green Meadow Springs Cardiff CF15 7AB United Kingdom
Support	www.hidglobal.com/support

Specifications and Installation

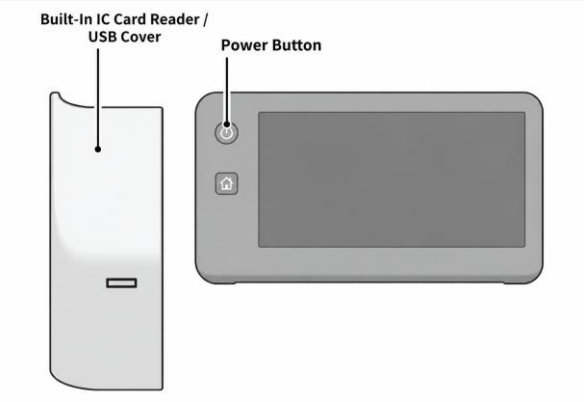
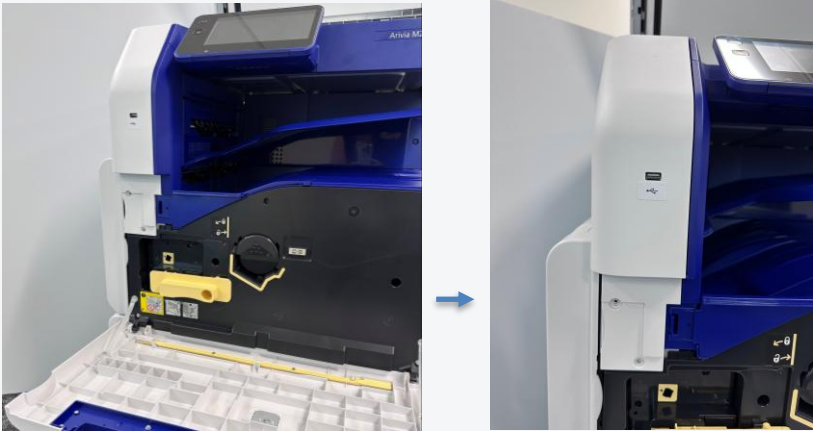
For further information, contact HID support: www.hidglobal.com/support

For driver setup, consult the OMNIKEY Smart Card User Guide.

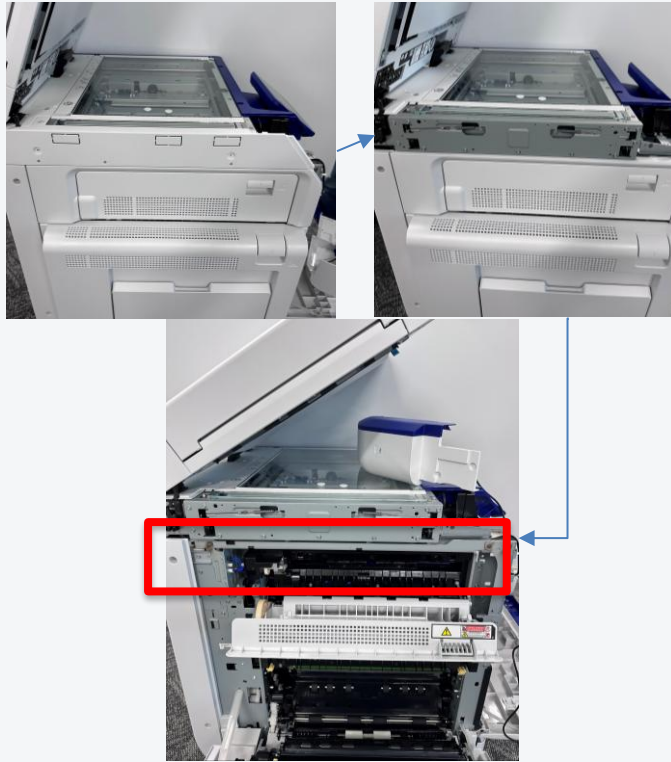
CAUTION: (Computer Only) Install the drivers before connecting the OMNIKEY reader to the computer.

ATTENTION : (Ordinateur uniquement) Vous devez installer le pilote avant de connecter le lecteur OMNIKEY à l'ordinateur.

2.3 Embedded Procedure for Arivia models C2125, C2130, M2125, M2130, and M3135

1	 The diagram shows two components: a vertical white rectangular cover labeled 'Built-In IC Card Reader / USB Cover' and a grey rectangular control panel labeled 'Power Button' which features a power icon and a home icon.	Power off the device Shut down the Arivia MFP using the normal power-down procedure, then switch the main power OFF before installation.
2	 The left photograph shows the front cover of the Arivia MFP being lifted from its base. A blue arrow points to the right photograph, which shows the front cover fully open, revealing the internal components of the machine.	Open front cover Open the front cover of the Arivia MFP. This allows access to the Built-In IC Card Reader / USB cover. Remove the IC Card Reader / USB cover.
3	 The photograph shows the back of the white rectangular cover. A black HID OMNIKEY® 5127CK Mini reader is being positioned and secured to the back of the cover using a piece of black adhesive tape. A black USB cable is connected to the bottom of the reader.	Install the reader assembly (embedded) Position the HID OMNIKEY® 5127CK Mini reader with industrial housing at the designated mounting location on the back of the built-in IC Card Reader / USB cover and secure it using the supplied mounting adhesive tape. Do not modify the reader housing or machine covers. Connect the 1.8 m USB cable.

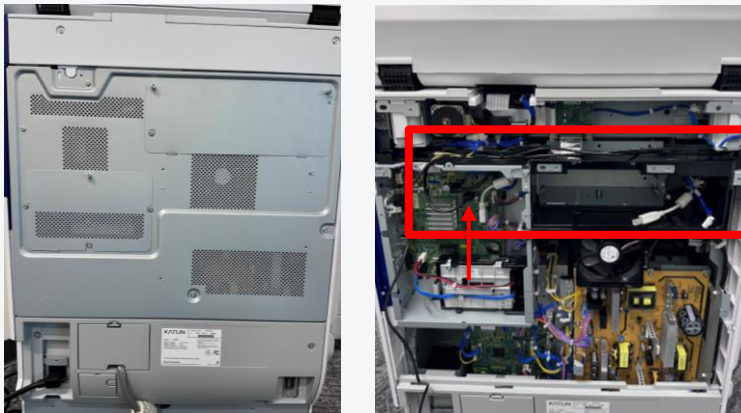
4



Route the cable

Route the reader cable along the approved path. Keep the cable clear of hinges, sharp edges, moving components, ventilation openings and service-access areas.

5



Connect the reader

Remove the rear panel of the printer. Continue routing the cable to the designated USB port as shown. Connect the reader cable to the USB port. Confirm the connector is fully seated and that no cable tension is present.

6



USB Y-cable: Use when the Arivia fax card is installed

If the Arivia fax card is installed and occupies the designated USB port, remove the USB cable for the Arivia fax card and install the USB Y-cable provided in the kit. Then, connect the USB cable for the fax card to one USB port of the Y-cable and connect the USB cable for the card reader to the other USB port.

7

Secure and reassemble

Secure any excess cable as required, reinstall any covers removed during installation and confirm the reader is firmly mounted.

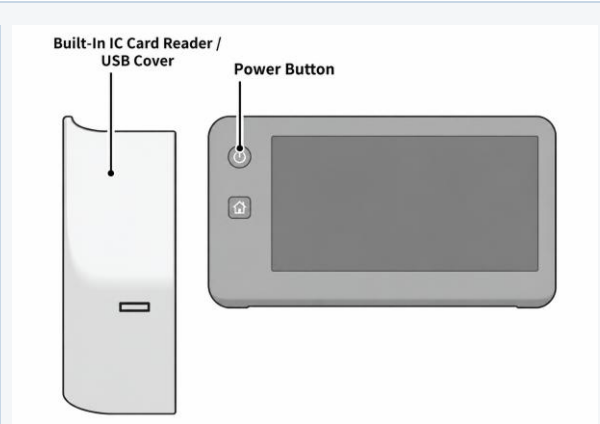
8

Power on the device

Switch the main power ON and allow the Arivia device to complete startup. The reader should power on with the device.

2.4 Embedded Procedure for Arivia models C3135, C3145, C4155, C4165, M3145 and M4155

1

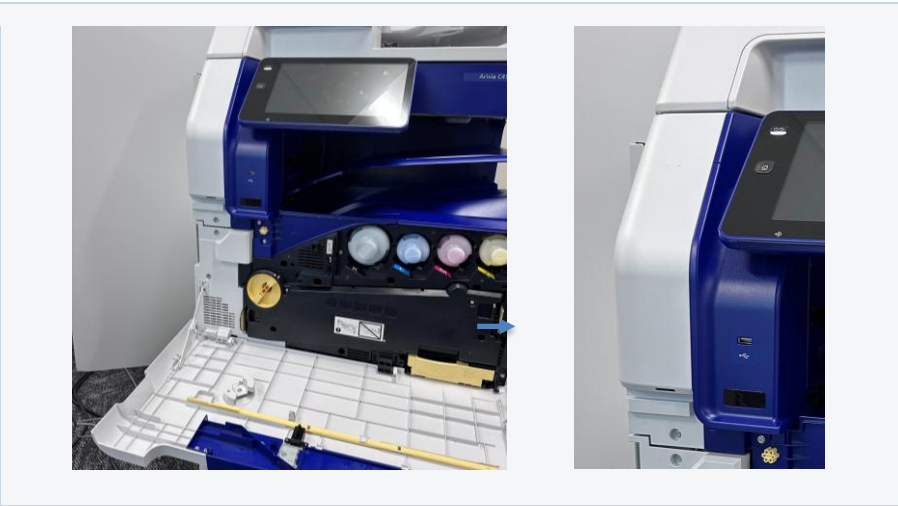


The diagram shows two views of the Arivia device. On the left is a side view with a label 'Built-In IC Card Reader / USB Cover' pointing to a slot on the front panel. On the right is a front view with a label 'Power Button' pointing to a circular button above the screen.

Power off the device

Shut down the Arivia MFP using the normal power-down procedure, then switch the main power OFF before installation.

2



The left photograph shows the front cover of the Arivia MFP open, revealing the internal components including the IC card reader and USB cover. The right photograph shows the front cover closed, with the Arivia logo visible on the top right.

Open front cover

Open the front cover of the Arivia MFP. This allows access to the Built-In IC Card Reader / USB cover. Remove the IC Card Reader / USB cover.

3



Install the reader assembly (embedded)

Position the HID OMNIKEY® 5127CK Mini reader with industrial housing at the designated mounting location on the back of the built-in IC Card Reader / USB cover and secure it using the supplied mounting adhesive tape. Do not modify the reader housing or machine covers. Connect the 1.8 m USB cable.

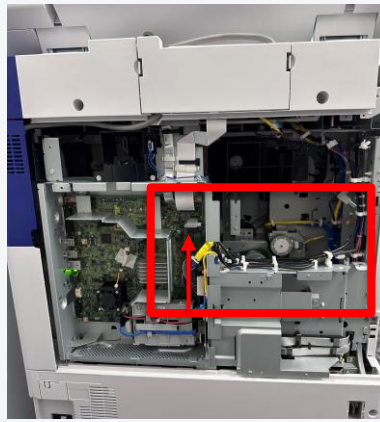
4



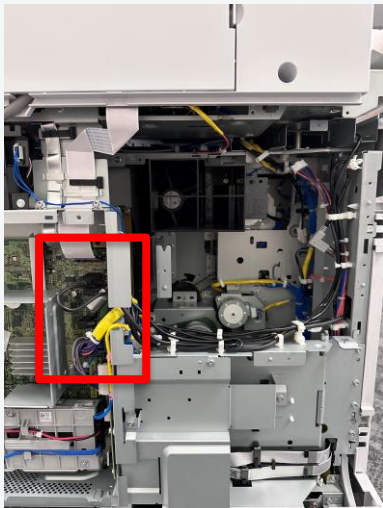
Route the cable

Route the reader cable along the approved path. Keep the cable clear of hinges, sharp edges, moving components, ventilation openings and service-access areas.

5

**Connect the reader**

Remove the rear panel of the printer. Continue routing the cable to the designated USB port as shown. Connect the reader cable to the USB port. Confirm the connector is fully seated and that no cable tension is present.



6

**USB Y-cable: Use when the Arivia fax card is installed**

If the Arivia fax card is installed and occupies the designated USB port, remove the USB cable for the Arivia fax card and install the USB Y-cable provided in the kit. Then, connect the USB cable for the fax card to one USB port of the Y-cable and connect the USB cable for the card reader to the other USB port.

7

Secure and reassemble

Secure any excess cable as required, reinstall any covers removed during installation and confirm the reader is firmly mounted.

8

Power on the device

Switch the main power ON and allow the Arivia device to complete startup. The reader should power on with the device.

3 Enable the Embedded Plug-ins Settings from Panel UI or Web UI

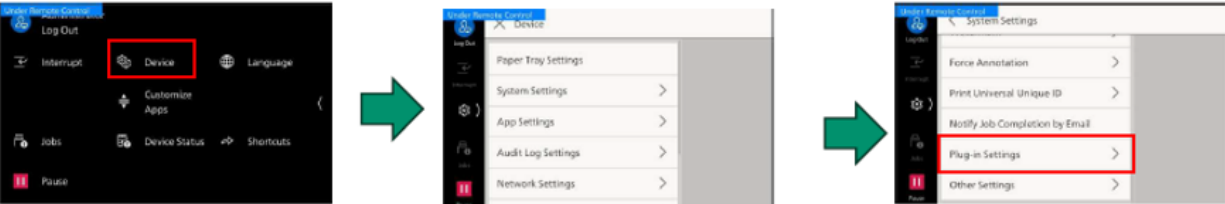
Before use, you must enable the Embedded Plug-ins setting from the Panel UI or Web UI.

3.1 When configuring via the Panel UI (Recommended)

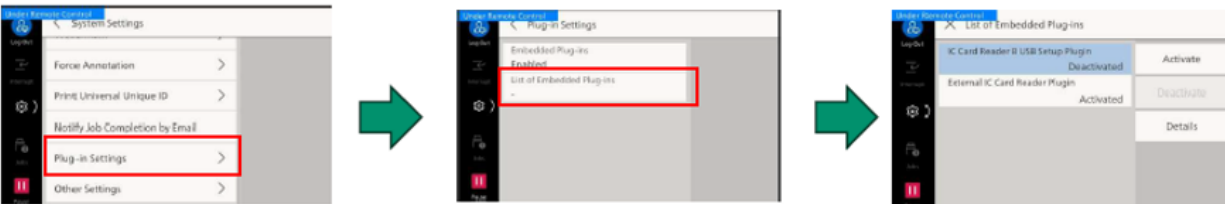
1 Log in to the Panel UI in Administrator mode.



2 Select [Device] ⇒ [System Settings] ⇒ [Plug-in Settings]



3 Select “List of Embedded Plug-ins” from the [Plug-in Settings] menu, then change the External IC Card Reader Plugin to Activated.

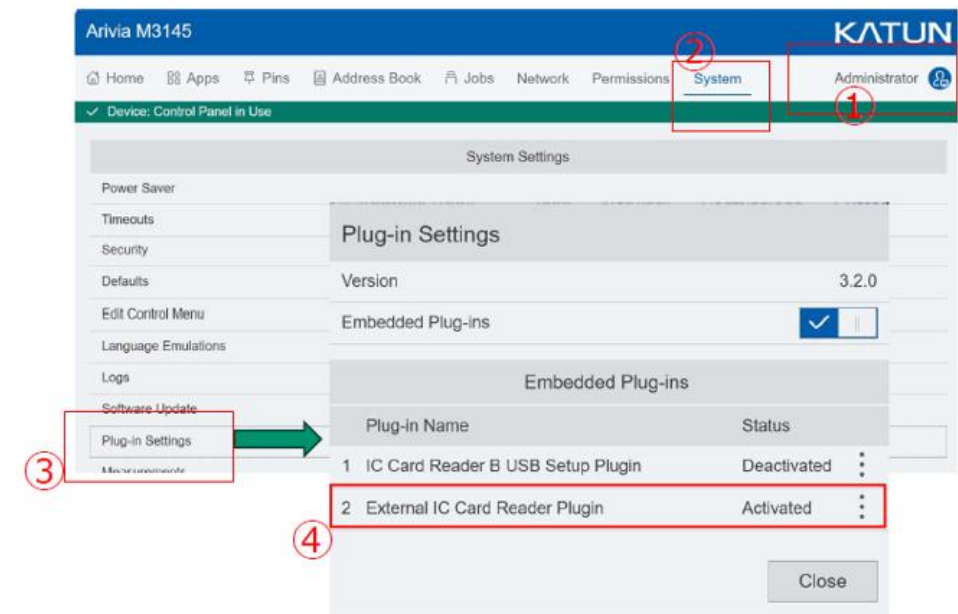


3.2 When configuring via the Web UI

1 Log in to the Web UI in Administrator mode. ①

2 Select [System] ⇒ Select [Plug-in Settings]. ⇒ ② ③

3 Change “2__External IC Card Reader Plugin” from “Deactivated” to “Activated”. ④



4 Device Setting for IC Card Reader

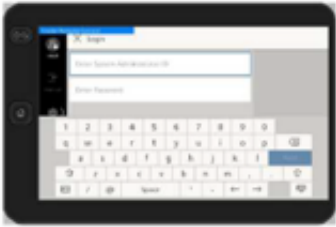
- 1

Confirm that IC card reader installation is complete (Section 2.3 or 2.4.)

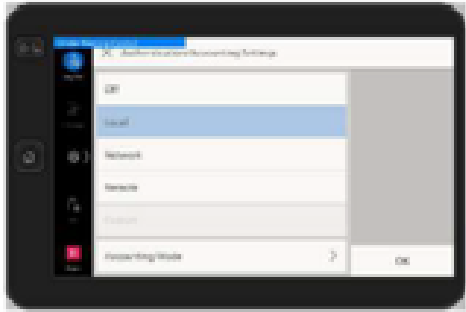
Continue with the setting changes below.
- 2

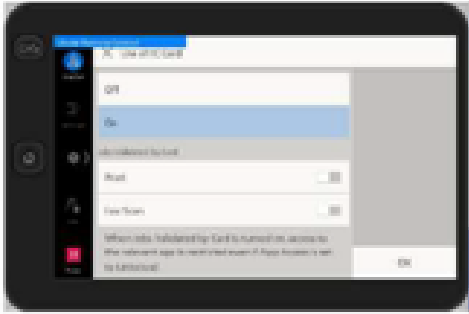
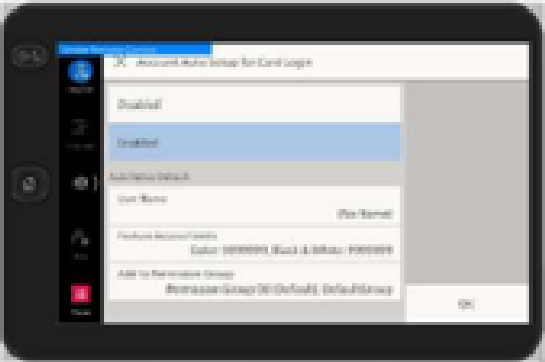
Setting Change

Log in to Administrator Mode using the machine’s control panel.

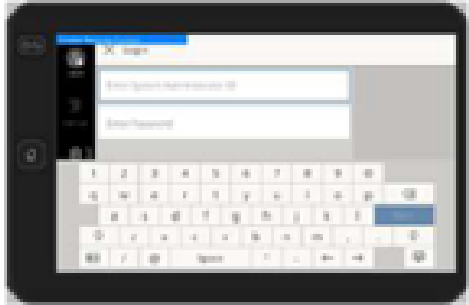

- 3

[Device] ⇒ [Authentication/Accounting] ⇒ [Authentication/Security Settings] ⇒ [Authentication] ⇒ [Authentication/Accounting Settings] ⇒ set [Local], [OK]



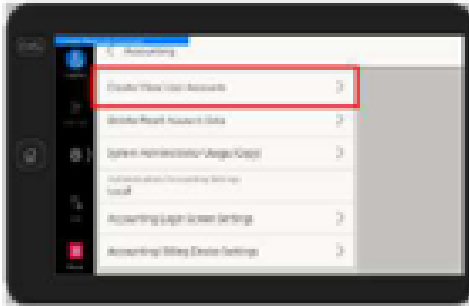
4	[Device] ⇒ [Authentication/Accounting] ⇒ [Authentication/Security Settings] ⇒ [Authentication] ⇒ [User Details Setup] ⇒ [Use of IC Card] ⇒ set [On], [OK] 
5	[Device] ⇒ [Authentication/Accounting] ⇒ [Authentication/Security Settings] ⇒ [Authentication] ⇒ [User Details Setup] ⇒ [Account Auto Setup for Card Login] ⇒ set [Enabled], [OK] 

5 IC Card Registration

1	Read the IC card to be registered with the card reader.
2	Log in to Administrator mode using the machine’s control panel. 

3

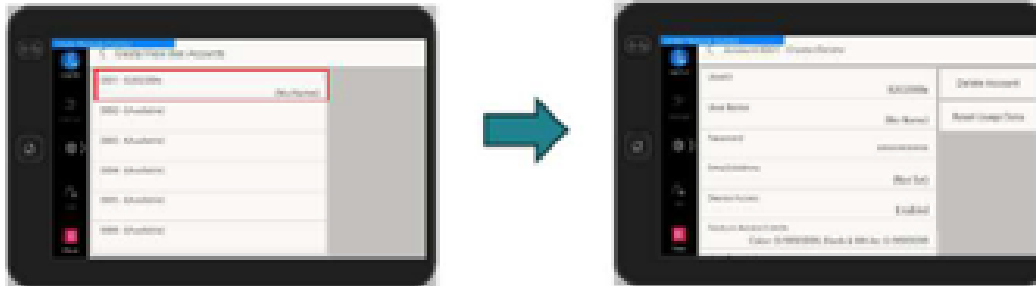
Select [Device] ⇒ [Authentication/Accounting] ⇒ [Accounting] ⇒ [Create/View User Accounts] The account for the scanned IC card is displayed.



4

Click on the registered IC card (Account) to display the IC card information.

The loaded card ID is set as the User ID. Select the loaded User ID and enter the Username and other required information. (Do not change the User ID; otherwise, the registered IC card will not be readable.)



5

Log out of Administrator mode.

The IC card has now been registered. To continue registering another card, proceed from step 1.

*Note

An administrator can use Internet Services. (Remote Operation Panel) to set IC card information and information used for authentication.

6 Using the Card Reader

Present the IC card/credential to the reader. When the credential is recognized, the machine or authentication application processes the returned card ID according to the configured workflow. A passcode may also be required depending on the authentication policy.

- To cancel an unsuccessful authentication attempt, cancel the active authentication state on the device and present the card again.
- Logout behavior follows the authentication settings configured on the Arivia device or application.
- A card presentation can wake the device from Low Power mode. It does not wake the machine from Sleep mode on the equivalent implementation.