

ingenico AXIUM DX8000 Android Payment Terminal User Guide

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AXIUM DX8000 User Guide



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Introduction

We hope that you will be fully satisfied with your new AXIUM DX8000 Smart POS terminal.

Read this guide to understand and make the best use of your terminal. It presents you the necessary information about use, installation, maintenance, safety and security recommendations.

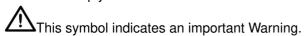
This is the AXIUM DX8000 ATEX version, the ATEX certificate number is CSANe 21ATEX2264X , the ATEX label is as follow:





Use only the power supply included with the product to ensure best performance and safety. Maintenance should only be provided by Ingenico authorized technician.

Failure to comply with these instructions will void the manufacturer's responsibility.



This symbol indicates a piece of advice.

Hardware configuration

The hardware configurations of AXIUM DX8000 ATEX version are as follows:

Platform	Display	Module Suppli er	Communication mode	Memory	Battery
Oualcomm OCM2150/ Unisoc SL8541E	5.5"HD	Ouectel/Fibco m	WU/CN	1GB+8GB/ 2 GB+16GB	7.2V/ 3350m Ah

Presentation

3.1 Contents of the box

- AXIUM DX8000 terminal unit equiped with a paper roll
- · Power adapter
- · A battery pack
- · A battery bracket
- · A battery pack screw
- A screwdriver
- This user guide



The power supply unit provided with your equipment is specially designed for INGENICO AXIUM DX8000 terminal.

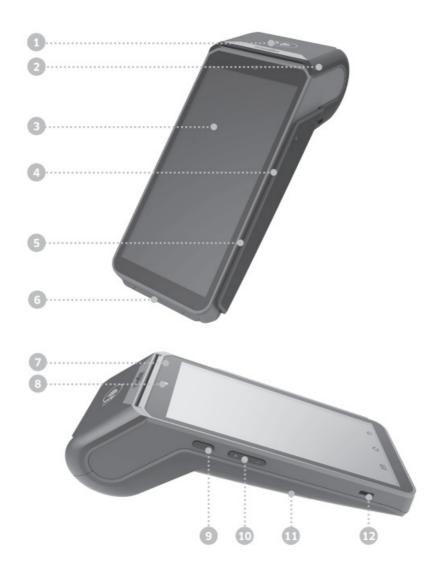
Do not use any other power supply. The use of a power supply with apparently similar voltage/current characteristics may damage your terminal.



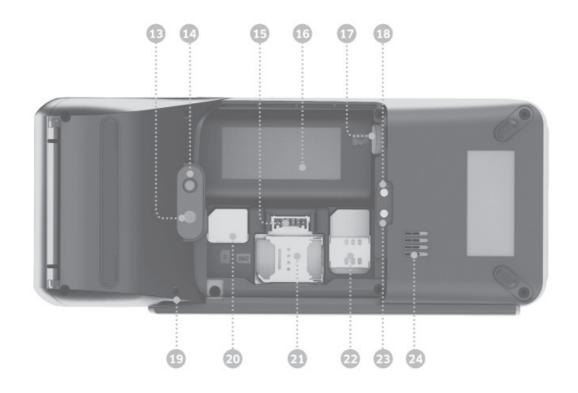
ADVICE

Keep the package. It must be re-used whenever the terminal is shipped.

3.2 Overview of AXIUM DX8000



1) Contactless landing zone	2) Easy Loading Printer
3) LCD and touch screen	4) Magnetic card reader
5) Buzzer	6) Smart card reader
7) LEDs for Contactless Card	8) Front scanner
9) Power Key	10) Volume Keys
11) Battery cover	12) USB Type-C connector



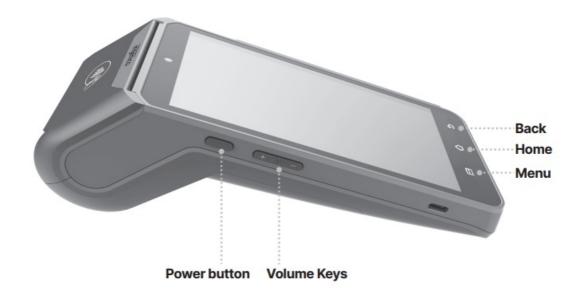
13) Rear camera	14) Flash
15) Battery socket	16) Battery compartment
17) Micro SD slot	18) Base Charging interface+
19) Lanyard hole	20) SAM cards slots
21) SIM 2 card slot	22) SIM 1 card slot
23) Base Charging interface –	24) Speaker

Weight	450g (including battery)
Dimension (L x W x H)	198 X 83X 62.5mm
Electrical mains network	100-240VAC/50-60Hz Class II

3.3 Keypad Functions

Three physical keys on the left side of the terminal: a power button and two volume keys.

The terminal has a 5.5 inch screen, there are three capacitive keys at the bottom of the screen: Menu, Home and Back keys.



3.4 Touch Panel

The AXIUM DX8000 is equipped with touch panel that allows you capture functions and menus by your finger .

Use of the terminal



ADVICE

Before using the terminal, always check if the roll of paper is present.

4.1 Power on/Power off the terminal

Power On Terminal:

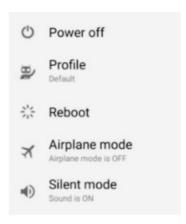
Make sure the terminal battery is correctly installed.

Press < Power> button for about 1s until the display is turned on.

Power Off Terminal:

Press and hold <Power> button for more than 2s until the display shows the following menu.

Press < Power off>.



Battery Low:

If the battery is empty, the terminal will automatically shut off.

Terminal restart:

In the event of abnormal behavior of the terminal, press and hold the power button for 8 seconds to force the terminal to power off.

Screen saver mode:

To conserve battery power, the screen may be turned off with a short press of the power button. (approximately 0.5 seconds)

4.2 Reading cards Magnetic stripe card

- The card can be read bi-directionally, with the stripe facing the terminal.
- Use a regular movement in order to ensure a reliable card reading.



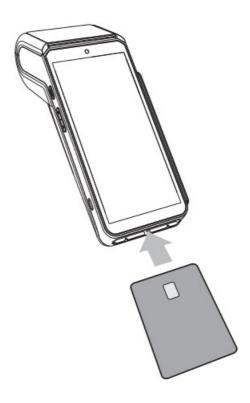
Contactless card

- Bring the card firmly up to the active zone.
- Keep the card close to the reader during the transaction.
- On the front,LEDs are displayed to indicate transaction processing.



Smart card

Insert the card horizontally with the metal chip facing upward and leave in position throughout the transaction.



4.3 Usage of Front Camera

- The brightness of the mobile phone must be set to the brightest or not less than the 2/3 of the maximum brightness.
- The screen of the mobile phone must face the front scanning head above the terminal screen and keep it stationary.



- The screen of the mobile phone must be parallel to the front scanning head.
- The vertical distance between the screen of the mobile phone and the front scanning head should be between 10~ 30 cm; 20 cm would be the best.
- The terminal will beep with a successful scanning.

4.4 USB Type-C

- There is a USB type-C connector on the left side of the terminal.
- The connector manages Host and Slave connections.
- The connector integrates Audio Jack solution.





To prevent possible hearing damage, do not listen at high volume levels for long periods.

Installation

5.1 Recommendations Operating conditions

Ambient temperature*	From -10°C to +50°C
Max relative humidity	From 10% to 90%, Non-condensing

(*)Excluding battery charging **Battery charging condition**

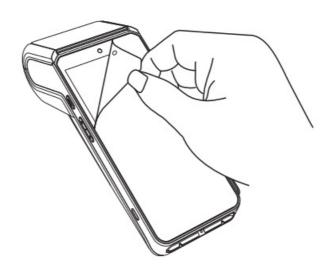
Ambient temperature	From 0°C to +40°C

Storage condition

Ambient temperature	From -20°C to +70°C
Max relative humidity	From 5% to 90%, Non-condensing

5.2 Screen Protective film

Please remove the protective film before usage.



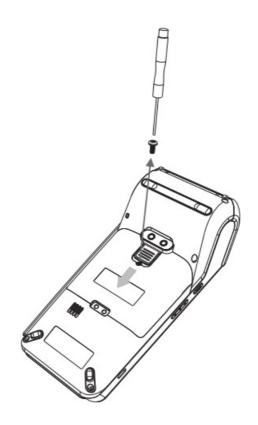
Installing modules SAM1/SAM2/SIM1/SIM2



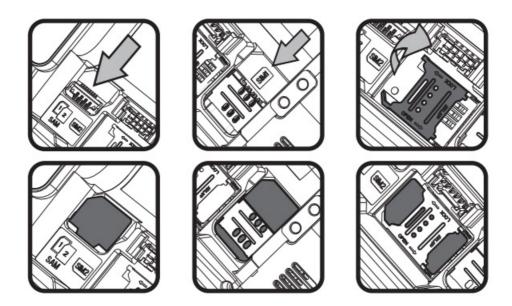
Switch off the terminal before opening the battery door.

The SAM/SIM connectors are located inside the terminal, in a closed compartment.

Turn the terminal and open the screw on the battery trapdoor with a screwdriver and remove the battery door. SAM1, SAM2 and SIM1, SIM2 are identified by the engraved marks on the lower housing.



- When introducing a SAM/SIM into slot, be sure to put the cut corner as indicated on the picture.
- Close the battery door.





AXIUM DX8000 is equipped with a dual SAM slot.

When using two SAM cards, it is recommended to insert the bottom one first, then the top one. When using only one SAM card, it is recommended to insert SAM1 slot (bottom).



SIM and SAM cards share the same form factor , please do be careful to the SIM card socket position.

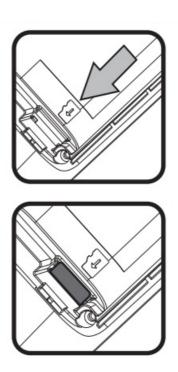
MicroSD Memory Card

Switch off the terminal before opening the battery door.

- Turn the terminal and remove the battery door.
- MicroSD are identified by the engraved marks on the lower housing.
- Insert MicroSD card and push it to the end.
- Close the battery door.

NOTE

The terminal supports MicroSD up to 32GB.



Paper roll

Main characteristics of INGENICO paper roll

The thermal paper can be deteriorated by poor storage conditions, so we recommend you to avoid:

Storage in hot wet places(near air-conditioner, humidity higher than 85%).

Exposure to sunlight or ultraviolet for long periods.

Contact with organic solvents(solvent type adhesive).

Direct contact with materials containing plasticizers (PVC transparent folders or envelopes).

Direct contact with <<diazo>>papers.

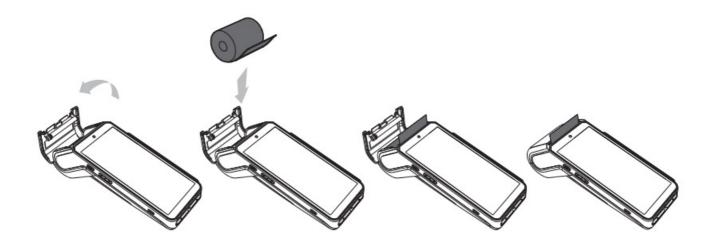
Direct contact with water.

WARNING

For best product performance, only use heat sensitized paper approved by Ingenico.

Installing paper roll

- Open the paper cover by lifting the catch located at the top of AXIUM DX8000 and pull the cover to the rear of the terminal.
- Insert the paper roll in the compartment following the directions shown on the below picture.
- Pull the paper up to the top of terminal, maintain the paper and close the cover.
- Press simultaneously on both upper corners of the paper flap until it clips into position.



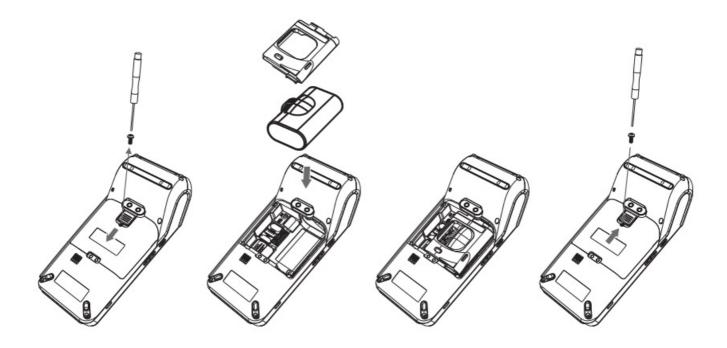
Installing the battery



USE ONLY INGENICO LD18650EX BATTERIES.

DO NOT REPLACE OR CHARGE THE BATTERY IN HAZARDOUS LOCATION.

- Turn your terminal, open the screw on the battery door and unclip the battery door by pushing the clips as shown with the arrow on the picture.
- · Disengage the battery door.
- Take out the battery bracket and then take out battery pack included in the box.
- Locate the battery pack connector beside the battery compartment.
- Plug the battery pack connector according to the connector locating system.
- Place the battery pack in its compartment.
- Place the battery bracket in its compartment.
- · Close the battery door and lock the screw.



Recommendations

Safety CAUTION

Please read carefully the instruction guide before the installation. All the operations must be performed by skilled and qualified personnel – any usage not included in User Guide is not allowed.

The smart POS terminal shall only be installed in an area of pollution degree 2 or better, as defined in EN 60664-1. The smart POS terminal must be installed and maintained according to the standards and regulations for hazardous area classified against explosion risks due to presence of gas and vapors (example: EN 60079-14, EN 60079-17, or other national standard).

The User must adopt appropriate organizational processes to avoid electrostatic charges.



The Smart POS Terminal only be charged in safe area using a charger approved as SELV or Class 2 equipment against EN 62368 or an equivalent EN standard.

The maximum voltage and current from the charger Um and Im shall not exceed 5Vdc and 2A respectively. The

ambient temperature during charging shall be in the range 0°C to 40°C.

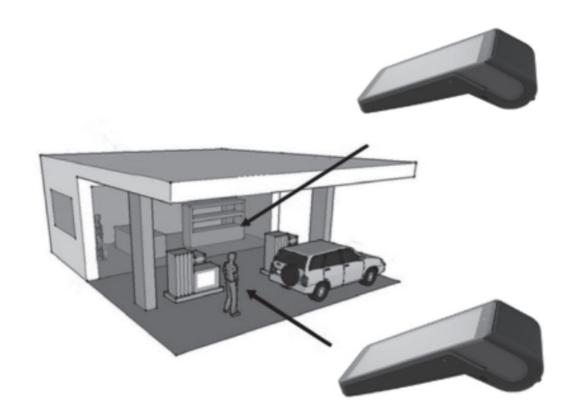


The equipment/electric components must not be opened when powered. Replace the printing paper roll only in SAFE AREA.

Disconnect and replace the battery pack only in SAFE AREA.

The following diagram indicates the recommended installations and use of the payment terminals in a real case.

- The intallations should only be done inside the shop:
- Installing SAM/SIM/MicroSD cards
- Installing/replacing the Battery
- Installing/replacing Printing Roll



The POS terminal could only be used inside the petrol station area.

CAUTION

The end user shall confirm this area has pollution degree 2 or better, as defined in EN 60664-1.

Powering down the AXIUM DX8000

Disconnect the AXIUM DX8000 power supply block adapter from the electrical mains network.

Lithium cell

The AXIUM DX8000 is fitted with an internal lithium cell which should only be accessed by a qualified technician.

Battery

AXIUM DX8000 is fitted with battery specially designed for this terminal.

Only use the appropriate chargers and batteries listed in the ingenico's catalogue.

Do not short-circuit the battery.

Do not attempt to open the battery container.

Used batteries must be disposed of at the appropriated sites.

The lifespan of battery depends on:

Features used.

Number of charge and discharge cycles.

Use temperature.

CAUTION

RISK OF EXPLOSION BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Security of your terminal

Your device fulfills current applicable PCI PTS security requirements.

Upon receipt of your terminal you should check for signs of tampering of the equipment. It is strongly advised that these checks are performed regularly after receipt. You should check, for example: that the keypad is firmly in place; that there is no evidence of unusual wires that have been connected to any ports on your terminal or associated equipment, the chip card reader, or any other part of your terminal. Such checks would provide warning of any unauthorized modifications to your terminal, and other suspicious behavior of individuals that have access to your terminal. Your terminal detects any "tampered state". In this state the terminal will repeatedly flash the message "Warning Detected" and further use of the terminal will not be possible. If you observe the "Warning Detected" message, you should contact the terminal helpdesk immediately.

You are strongly advised to ensure that privileged access to your terminal is only granted to staff that have been independently verified as being trustworthy. The terminal must never be put in or left at a location where it could be stolen or replaced by another device.

Fixed installation

If the device is to be used in a situation where it is not possible for the cardholder to pick up and shield their PIN entry themselves, the device may be used, but it must be installed in the following manner

The device must be angled at 45 or more, so that oversight of the PIN entry from the rear of the device is not possible.

The device must either be fitted in a swivel stand – so that the customer can position the device in the best angle to prevent oversight – or the device must be fixed in the best possible position to prevent oversight if such a generic position exists in the specific environment to which the device is installed.

The device environment must be accompanied with conspicuous notices and educational material which informs the customer to shield their PIN during PIN entry.

The device must be deployed so that oversight from other customers, either in different payment lanes, or in other areas of the shopping environment, is prevented. This may be achieved through the placement of the lanes and device, so that the customer is automatically positioned between the device keypad and other customers. Alternatively, it may be achieved by the environment in which the device is installed, so that the checkout itself shields the PIN entry process.

The terminal is exclusively made for indoor use.



ADVICE

Positioning of the terminal on check stand must be in such a way to make cardholder PIN (Personal Identification Number) spying infeasible.

Installing device on an adjustable stand must be in such a way that consumers can swivel the terminal sideways and/or tilt it forwards/backwards to a position that makes visual observation of the PIN-entry process difficult.

Positioning of in-store security cameras such that the PIN- entry keypad is not visible.

NEVER ask the customer to divulge their PIN Code. Customers should be advised to ensure that they are not being overlooked when entering their PIN Code.

6.4 Cleaning the terminal

Good rules for proper cleaning of the terminal are:

Unplug all wires from the terminal prior to cleaning.

Apply soapy water or other approved cleaning product to a soft, non-abrasive cloth.

CLEANING PRODUCT SHOULD BE APPLIED TO THE CLEANING CLOTH AND NOT DIRECTLY APPLIED OR SPRAYED TO THE TERMINAL. Failure to follow this step may result in damage to the terminal.

Do not clean the electrical connections.

Do not use solvents, detergents or abrasive products: Those materials might damage the plastic or electrical contacts.

Avoid prolonged exposure of the terminal to the direct rays of the sun.

Do not put anything other than credit cards into the slot of the smart card reader.

6.5 Transport and storage

When transporting the terminal

Protect the terminal from snow, rain, and excessive exposure to the sun.

Transport with care to avoid mechanical impact.

Do not throw the unit forcibly. Prevent the package from intrusion during transportation to avoid breakage. The product should be stored in the original packaging.

Do not store in warehouses that also contain harmful gases, or inflammable, explosive, or corrosive chemicals.

Do not expose to strong mechanical vibrations or strong magnetic fields.

Packaging should be stored at least 15 cm above the ground and be kept away from heat, cold, windows, or air inlet sources by at least 50cm.

Follow the specific stored conditions as noted in Section 4 of this document.

Standard

CE MARKING

The CE marking indicates AXIUM DX8000 complies with the requirements of European Directive 2014/53/EU on Radio Equipment for:

The protection of the health and the safety of the user and any other person.

The protection requirements with respect to electromagnetic compatibility.

And complies with harmonized standards, as well as RoHS Directive 2011/65/EU and its amendment directives.

Environment

This product is labeled in accordance with European Directives 2012/19/EU concerning Waste Electrical and Electronic Equipment (WEEE) and 2013/56/EU concerning Batteries and Accumulators. Those provisions are requiring producers and manufacturers to become liable for take-back, treatment and recycling upon end of life of equipment and batteries.

BATTERIES

If your product contains batteries, they must be disposed of at appropriate collection points.

THE PRODUCT



The crossed-out waste bin stuck on the product or its accessories means that the product belongs to the family of electrical and electronic equipment, and waste batteries must not be thrown away but collected separately and recycles.

Please contact your retailers for more detailed information about the compliance solution in place for disposing of your old product and used batteries.

Packaging waste must also be collected separately to assure a proper disposal and recycling.

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.

Electrical power supply network

- The electrical outlet must meet the following criteria:
- Must be installed near the equipment and easily accessible.
- · Do not short-circuit the battery.
- Do not attempt to open the battery container.

The power supply label contains eighteen symbols:



CCC (China Compulsory Certificate) Mark

	The Regulatory Compliance Mark (RCM)
V	International Efficiency Marking Protocol (Energy Star Level 6)
	In door use only
CE	"Conformite Europe enne" or CE Mark
	Double insulation symbol
5	5 Years China RoHS symbol
10)	10 Years China RoHS symbol
	BSMI (Taiwan)
A PS	PSE Mark (Japan)
Z	Recycle in accordance with the waste electronic & electrical equipment directive
C UL US	Underwriters Laboratories Inc (US Compliance)
	Made from recyclable material
LDPE	Low density version of Polyethylene (LDPE)

CPE	Chlorinated Polyethylene (CPE)
\triangle	Risk of explosion if the battery is incorrectly replaced or is placed in a fire
Li-ion	Dispose of batteries at a hazardous waste collection site or recycling facility
	Direct Current

Troubleshooting

Q: The terminal cannot be started.

A: The device may be in a low energy status or an application running on the device may be in a defective state. Please ensure that the device is powered, and then reset the device. If this still fails, please contact our customer service department for help.

Q: Printer cannot work.

A: This may be caused by abnormal power supply or incorrect paper installation.

Check the battery status or the terminal power connection. If the remaining battery power is insufficient for a complete printing operation, the printer will not print the paper.

Check the printer roller and if the paper dust cover is correctly installed.

If the problem still exists, please contact our customer service center.

Q: Transaction Processing Failure.

A: Following reasons are likely to cause transaction failure: damaged magnetic card or smart card SAM card, damaged card reader, improper operation of card swiping, damaged or unconnected, unconnected phone line, etc.

Try to use more than one magnetic card to test the transaction, to confirm the failure is not caused by magnetic card.

Make sure card swiping is operated correctly.

Manually process the transaction instead of card reader. If manual transaction works, the failure may be caused by magnetic card reader.

Use more than one smart card to test the transaction, to confirm the failure is not caused by smart card. Make sure the SAM card is correctly inserted into the card slot.

Check if the SIM card is installed correctly and local wireless communication network functions or not.

If there is still problem, please contact our customer service center.

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Documents / Resources



<u>Ingenico AXIUM DX8000 Android Payment Terminal</u> [pdf] User Guide AXIUM DX8000 Android Payment Terminal, AXIUM DX8000, Android Payment Terminal, Payment Terminal

References

- Ingenico | Home
- User Manual

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