



## USER MANUAL



# LeoPro

5G Hyper Terminal

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**REVISION HISTORY**

| SN | Release Date | Remarks         | Version No |
|----|--------------|-----------------|------------|
| 1  | 07-Jul-25    | Initial Release | 1.0        |

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LeoPro User Manual, Version 1.0

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## 1. INTRODUCTION

LeoPro is a world first 5G enabled compact and high performance MicroATM Terminal with integrated Fingerprint Scanner and Thermal Printer. With larger display and UIDAI Face Auth ready camera integrated will provide the best user experience.

This product can be used in Micro ATM, FI, billing, ticketing, financial and non-financial transactions and many other applications.

### 1.1. ABBREVIATIONS

| Abbreviation | Description                                 |
|--------------|---------------------------------------------|
| POS          | Point of sale terminal                      |
| MPOS         | Mobile Point of Sale terminal               |
| HHT          | Hand Held Terminal                          |
| GLONASS      | Global Naya Navigation Sputnik Vaya Sistema |
| LED          | Light Emitting Diode                        |
| USB          | Universal Serial Bus                        |
| GPS          | Global Positioning system                   |

## 3. TECHNICAL SPECIFICATIONS

| Sl. No | Feature                           | Details                                                                                                                                                                                                            |
|--------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Display , memory and camera specs | 6.745" Screen, 4GB/64Gb Flash (Optional: 8GB/128GB), Front: 13MP, Rear: 16MP Auto focus, 5G/4G/3G/2G, Dual SIM, GMS Certified with Play store access.                                                              |
| 2      | Printer                           | 2-inch Thermal printer, 48mm printing area. 70mm/s printing speed.                                                                                                                                                 |
| 3      | Biometric                         | Fingerprint scanner<br>Aadhaar/MOSIP L1 certified FAP10/20 optical/capacitive / thermal sensor options.<br>ISO 19794-2/4 or ANCI/INCITS 378 template format 500 dpi<br>STQC certified<br>FBI PIV IQS certification |
| 4      | Communication                     | 5G/4G/3G/2G, Wi-Fi, Bluetooth Ver 4.2 and above<br>Optional USB interface                                                                                                                                          |
| 5      | Payment Acceptance                | External Bluetooth mPOS                                                                                                                                                                                            |
| 6      | Battery                           | Rechargeable battery pack for base device pack device 7.4V, 2600mah                                                                                                                                                |
| 7      | Certifications                    | BIS, IP 54, EMIEMC, Environment, Drop test                                                                                                                                                                         |
| 8      | Operating System                  | Android 15                                                                                                                                                                                                         |
| 9      | Connectors                        | Type C USB connection for communication and charging                                                                                                                                                               |
| 10     | Speaker (Optional)                | 90db sound from 1m Distance                                                                                                                                                                                        |

## 4. PRODUCT CERTIFICATIONS



Ip5x Test



RoHS

(Restriction of Hazardous substance)



BIS



WPC



Drop test



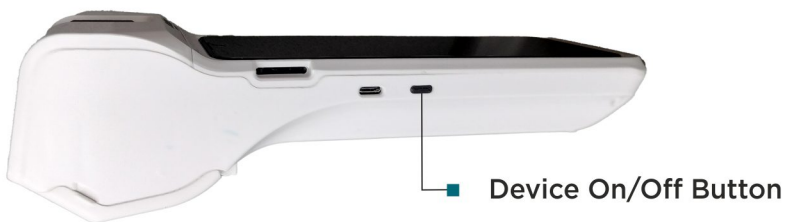
EMIEMC



Environment - Is9000

## 5. FEATURES

**Device Turn ON/OFF and Programming Mode :**

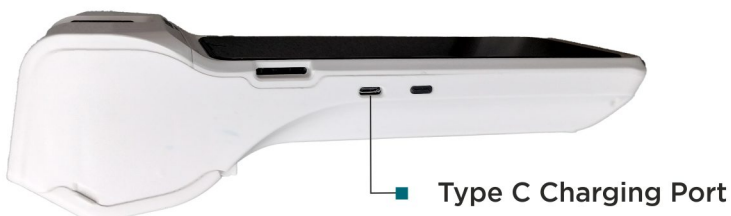


**Turn ON :** 1 Press

**Turn OFF :** Press and Hold the switch for 4/5 sec after turn on

**Programming Mode :** Press and Hold the switch for 4/5 sec in Turn Off Condition

**Charging:**



**Fig :** Type C Charging Port for charging the device

**Thermal Printer :** 2 inch thermal printer. The thermal head consists of 384 dots with a density of 8 dots/mm for 2 inch. The thermal printer mechanism has features such as platen present sense, paper present and end of paper sense.

Printer mechanism is supported to print Local Languages, Bitmaps, different types of barcodes and different fonts. Printer speed is 70mm/s.



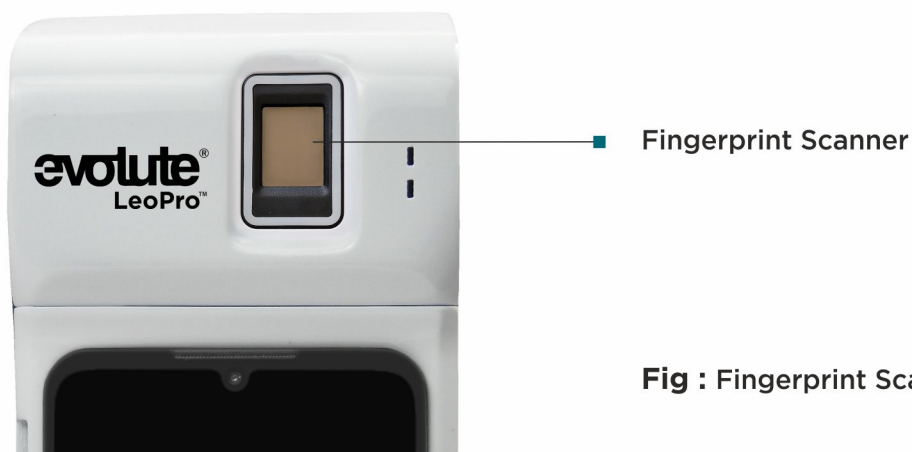
**Fig :** Printer door open and cabin to place paper roll

#### **Display, Memory, Camera and Communications:**

6.745" display, memory 4GB/64GB and 8GB/128GB memory configurations, 13MP front and 16MP Rear camera to support Aadhaar Facial Auth application, Google GMS certified with GPS and AGPS support.

**Fingerprint Scanner:** Aadhaar Certified L1 Fingerprint scanner for eKyc and Authentication for financial and Aadhaar enabled enrollment, verification and transactions. ISO 19794-2/4 or ANCI/INCITS 378 template format 500 dpi.

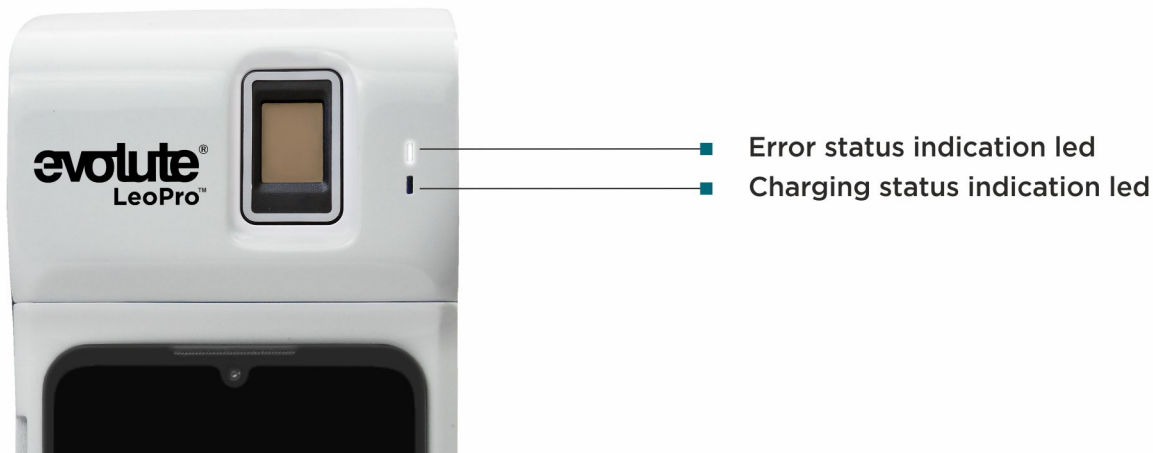
STQC certified, Aadhaar/MOSIP L1 certified FAP10/20 optical/ thermal sensor.



**Fig :** Fingerprint Scanner

**Buzzer:** Alarm signal indication for approvals and error conditions.

**LED:** 2 Control LEDs.

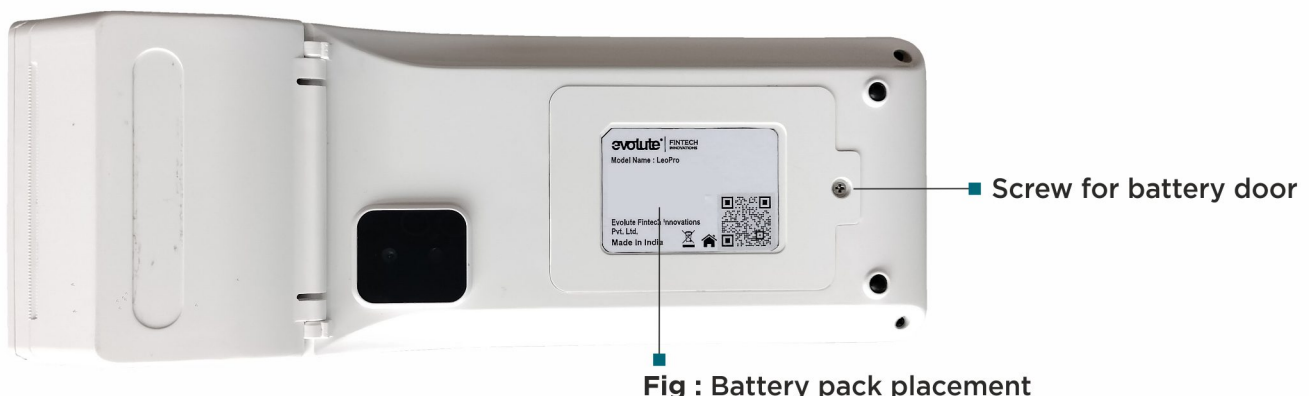


**Bottom LED :** This indicates green when charger is connected. When charger is not connected there is no indication, when fully charged LED in OFF condition.

**Top LED :** This LED indicates error status.

1. **Bluetooth connection establishment:** When device is ON Blue LED starts blinking and Bluetooth is connected blue led blinking stops and Blue LED will be stable indicates connection successful.
2. **Battery Status :** If Battery is low indicated by RED LED and buzzer with 3 beep sound.
3. **Paper Out :** When Printer door open or Paper roll is empty indicated by RED LED with buzzer 3 beep sound as an error
4. **Temperature:** When Printer Head temperature is high Print will stop and indicated by RED LED with buzzer 3 beep sound as an error.

**Battery Pack :** Device is equipped with battery pack 7.4V 2600mAh



**Volume + and - :** These buttons are used for increase and decrease the volume.

## 6. USAGE SET UP CONSIDERATIONS

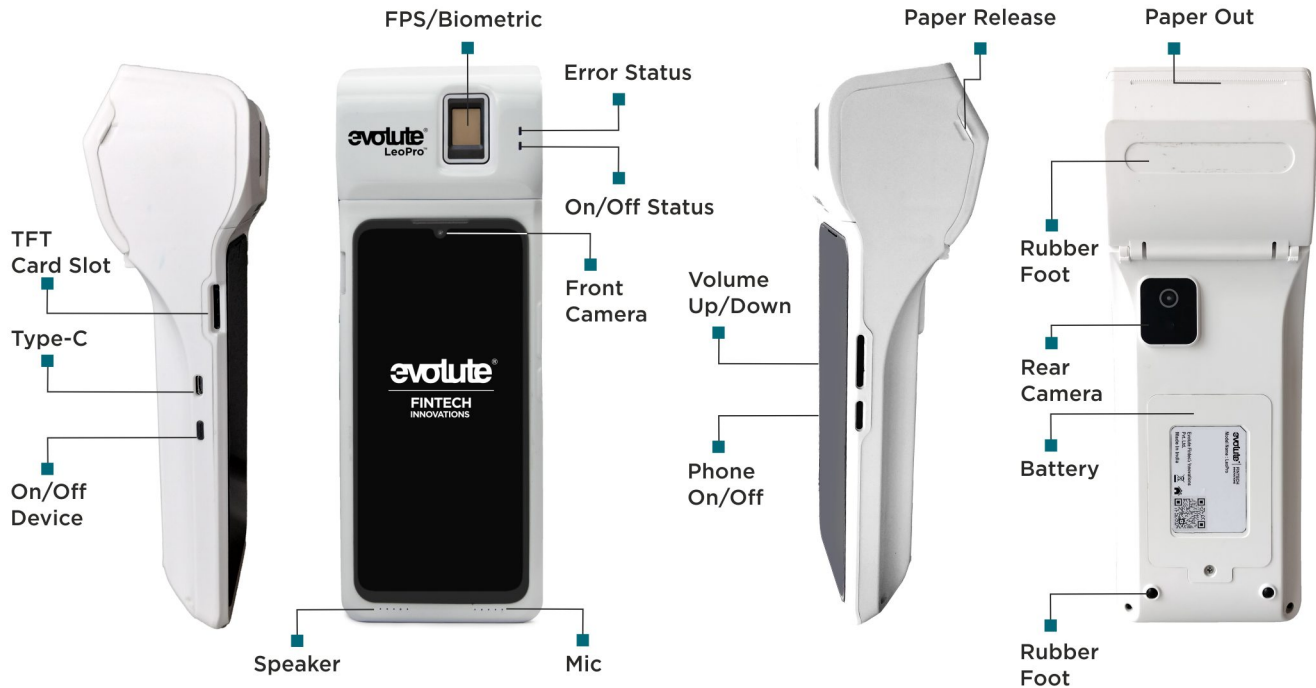


Fig : Features and Functionality

## 7. APPLICATIONS



Banking &  
Financial  
Inclusion



E-Governance &  
Identity  
Verification



Retail &  
Merchant  
Payments



Government  
Services



Healthcare



Education

## 8. CAUTIONS AND WARNINGS



Safe operation of this device is only warranted, if the instructions in this operating manual have been complied with and use only manufactured supplied parts. Device enclosure to be opened or repaired by authorized service person only. Never open the device by yourself.

Always contact Evolute Fintech Innovations Pvt. Ltd. authorized service center.

Use only spare parts and accessories supplied or authorized by Evolute Fintech Innovations Pvt. Ltd.

The use of unauthorized parts or accessories may affect the function and safety of the device and warranty will be void in this case.



It is no longer possible to operate the device safely, if :

- The housing/enclosure has been damaged
- Moisture reached inside the device
- The connecting cables are damaged

Disconnect the device immediately, whenever failure occurs as mentioned above, and contact Evolute Fintech Innovations Pvt. Ltd. customer service.



- Keep the device clean from dirt.
- Handle the module with care to avoid physical damage.

**Cautions to be taken while handling Li-ion / Li-ion polymer batteries are as follows:**

- Do not leave batteries where the temperature may become high
  - Do not leave Li-ion/ polymer batteries in/on high temperature environment. Doing so may cause the battery to leak
  - Do not leave batteries near a heat source
  - Do not leave Li-ion/polymer near a heat source, such as a heater. Doing so may result in overheating, explosion or fire
  - Do not get batteries wet
  - Do not spill water, salt water, juice or other fluids on a Li-ion / polymer battery. Doing so may break the protection circuit built into the battery, resulting in the battery being charged with an abnormal current or voltage and cause overheating, explosion or fire
- 
- Be sure to recharge the battery with the specified battery charger and AC adapter
  - Use the battery charger and AC adapter specified for use with the Li ion/ polymer battery. Other battery chargers or AC adapters may have different charging specifications and do not connect the battery and charger / AC adapter directly that can result in overheating, explosion or fire
  - Properly connect the battery in the charger or other device
  - A Li-ion/ polymer battery comes with a specified orientation of positive and negative terminals. Do not force the battery into a battery charger or device if it does not fit. Connecting the battery with the positive and negative terminals reversed will spoil the device and may cause it to charge incorrectly, and may result in abnormal chemical reactions internally that lead to leakage, overheating, explosion or fire
  - Do not throw a battery into a fire.
  - Do not throw Li-ion/polymer into a fire or heat them on a hot plate or by other means. Doing so, will only melt the insulator, damage the gas exhaust valve and the protection mechanism, but also lead to overheating, explosion, or fire
  - Do not short-circuit the battery
  - Do not connect the positive and negative terminals of the Li-ion/ polymer battery with a metal object, resulting in a large electrical current, which may result in overheating, explosion, or fire and personal injury
  - Do not apply strong impacts to the battery.
  - Do not throw, drop, nail, or hammer Li-ion/ polymer batteries. Doing so may deform the battery and break the protection circuit built into the battery. This may result in the battery being charged with an abnormal electric current or voltage, and cause overheating, explosion or fire
  - Do not directly solder batteries
  - Do not apply solder directly to the terminals of a Li-ion/ polymer battery. The heat will melt the insulator, damaging the gas exhaust valve and the protection mechanism, which could lead to overheating, explosion, or fire
  - Do not put a battery in a microwave oven, pressure container, or other such devices

### **Cautions to be taken while handling Li-ion / Li-ion polymer batteries are as follows:**

- Do not put a Li-ion / polymer battery in a microwave oven, pressure container, or other such devices. Sudden heating may break the seal, resulting in overheating, explosion, or fire
- Do not disassemble or modify batteries
- Do not disassemble or modify a Li-ion/ polymer battery. Li-ion/polymer has a gas exhaust vent and a built-in protection mechanism to prevent accidents. Damaging them may cause the battery to overheat, explode, or fire
- Remove batteries from a device that is not being used for an extended period
- When a device is not being used for an extended period, remove Li-ion/polymer and store them in a dry place
- Keep batteries out of reach of children and animals
- Keep devices that contain batteries and batteries out of the reach of children and animals to prevent the batteries from being licked, swallowed, chewed, etc.
- Do not use batteries that work for an extremely short period of time Li-ion/polymer has finite life spans. If the device requires frequent charging, replace the battery with new one.
- If something unusual is noticed, stop using the battery, If the Li-ion/ polymer battery gives off an odor, overheats, is discolored, deforms, or reacts in anyway unusual during use, recharging, or storage, remove it from the device or battery charger and do not use it again. Continuing to use such batteries may result in overheating, explosion, or fire and keep them away from fire
- Beware of fake and modified batteries that have no manufacturer or distributor names or warning labels displayed may be fake or modified ones. Fake and modified batteries may have damaged or missing safety mechanisms that are designed to prevent accidents. This is dangerous Because it may result in explosion or fire. Be careful when purchasing such batteries.
- Do not place batteries on top of an electromagnetic range. Do not place batteries on top of or near the electromagnetic range. The batteries may Become hot, causing them to overheat, explosion, or fire.
- Do not force decayed batteries into a device. Do not force decayed batteries into a device. Doing so may deform the Li-ion/polymer and break the internal parts or built-in protection mechanisms. Continuing to use such Batteries may result in overheating, explosion, or fire.

## 9. TROUBLESHOOTING

| Problem                                     | Solution                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Device not turning ON                    | <ol style="list-style-type: none"> <li>1. Check Battery is present &amp; connected to connector</li> <li>2. Check whether battery is drained</li> <li>3. Insert adaptor &amp; check battery for charging status &amp; switch on the device</li> </ol>                                                                               |
| 2. Bluetooth is not Pairing                 | <ol style="list-style-type: none"> <li>1. Check Bluetooth status LED toggling</li> <li>2. Switch OFF the unit &amp; check again</li> <li>3. Check for correct Bluetooth name selected for pairing</li> </ol>                                                                                                                        |
| 3. Not Printing & gives error               | <ol style="list-style-type: none"> <li>1. Check that the paper roll is loaded with the direct thermal side facing up</li> <li>2. Check whether platen is placed &amp; paper cover is closed</li> <li>3. Check for battery voltage</li> <li>4. Check out of paper</li> <li>5. Error indication through LED with red color</li> </ol> |
| 4. Charging Green LED status not indicating | <ol style="list-style-type: none"> <li>1. Check whether battery is fully charged</li> <li>2. Check whether battery is connected to device</li> <li>3. Check whether adaptor is connected properly to Type C USB Port &amp; AC power socket</li> </ol>                                                                               |
| 5. Fingerprint Scanner not working          | <ol style="list-style-type: none"> <li>1. Check Fingerprint scanner red light blinks once device is ON</li> <li>2. Check whether red light glows continuously in finger sensor area before placing finger</li> <li>3. Bluetooth is connected to device &amp; connection is established</li> </ol>                                   |

## 10. SUPPORT

|                       |                                             |
|-----------------------|---------------------------------------------|
| <b>Organization</b>   | Evolute fintech Innovations Private Limited |
| <b>Email</b>          | techsupport@evolute-fintech.in              |
| <b>Responsibility</b> | Business Development                        |

## 11. WARRANTY

The product warranty will be covered for a period of 12 months from the date of Purchase against manufacturing defects.

The warranty will not be covered under below conditions:

- Defect/ Physical damage in the product caused by accident, misuse, mishandling, negligence alteration and modification.
- Tampering of internal circuit without prior notice/approval from Evolute Fintech Innovations Pvt. Ltd.
- Natural calamities, over voltage, spikes, surges of electricity will not cover the warranty though all the precautions are taken while product designing.

## 12. DECLARATION

**Evolute Fintech Innovations Pvt. Ltd.** will not be responsible for any injury, loss, damage or expenses directly or indirectly if the product is not used according to the Standard Operating Procedures(SOPs) set by the company.

We will make every effort to carry out repair / replacement under this warranty as early as possible and it is explicitly made clear that the company shall not be liable to do so within any specified time or period.