

Linea Pro 5 Industrial
User Manual



LEGAL NOTICE

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REVISION HISTORY

Version	Date	Change description
1.0.0	09.04.2020	First Release
2.0.0	26.10.2020	Added section "Regulatory"

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REGULATORY

FCC ID: YRW-LINEAPRO5I

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any change or modification to the product not expressly approved by Datecs Ltd could void the user's authority to operate the device.

RF Exposure Information and Statement

This transmitter must not be in co-location or operating in conjunction with any other antenna or transmitter. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 5 mm between the device and your body.

TECHNICAL SPECIFICATIONS

Keyboard and Buttons	Two Scan buttons Battery status button Reset device button
Contactless Card Reader (optional)	Supports: ISO/IEC 14443 Type-A/MIFARE - MIFARE MINI - MIFARE CLASSIC-1K, MIFARE CLASSIC-4K - MIFARE ULTRALIGHT, ULTRALIGHT-C - MIFARE PLUS 2K/4K - MIFARE DESFire - and other ISO/IEC 14443 Type-B - supports most of the cards ISO/IEC 15693 - supports most of the cards JIS X 6319-4 - compatible with FeliCa ISO/IEC 18000-3 mode 3 - NFC
2D Barcode Reader	2D Opticon MDI-4000* CMOS Imager 640 x 480 pixels (optional) 2D Honeywell N3680 CMOS Imager 844 x 640 pixels (optional)
Supported 1D and 2D Symbology	BARCODE 1D: JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, Industrial 2of5, Interleaved 2of5, ISBN-ISSN-ISMN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/ Plessey POSTAL CODE: Chinese Post, Intelligent Mail Barcode, Korean Postal Authority code, POSTNET 2D CODE: Aztec Code, Aztec Runes, Chinese Sensible code, Codablock F, Composite codes, Data Matrix (ECC200), Passport MRZ (OCR-B), Maxi Code (mode 2~5), MicroPDF417, Micro QR Code, PDF417, QR code
Connectivity	Apple 9 pin connector
Device Compatibility	Apple iPod 7 th generation
Audio Features	Electro-Magnetic Buzzer
Power Supply	DC 5V through USB type-C DC 5V through single or 5 station charger
Battery	Rechargeable Li-Ion Battery 3.6V / 2330mAh Precise battery management by Fuel Gauge microcontroller for remaining battery capacity
Dimension W x H x D, mm	68 x 144 x 25.2
Certifications	CE, FCC
Weight, g	150.5
Operational temperature range	-10 °C to +40 °C / 5 to 90% RH
Storage temperature range	-20 °C to +50 °C / 5 to 90% RH
Compatible Accessories	Single charger (GT1) 5 stations charger (GT5) Holsters

* Specification can be change without any notice.



Use only original equipped DATECS cable USB-A to USB-C (Z05C000000-05) or approved USB-C to USB-C cable for charging Apple device.

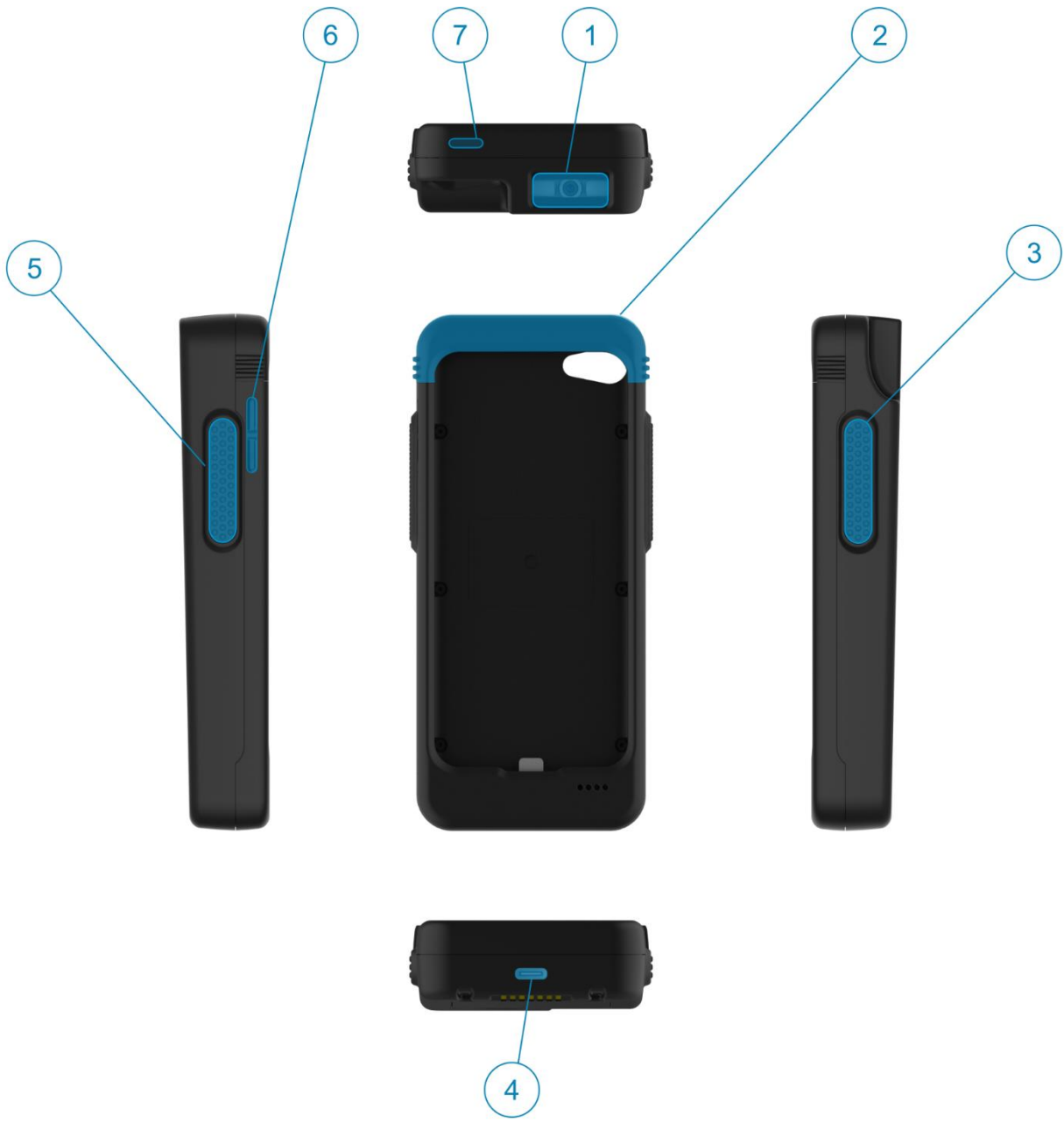
Use only approved USB adapters. The minimum requirements of USB adapter is 5V/2.1A!



Waste Electrical & Electronic Equipment

The symbol means that according to local laws and regulations your product shall be disposed of separately from household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

GENERAL VIEW





- 1. Barcode engine
- 2. Back Cover
- 3. Right scan button
- 4. USB type-C connector
- 5. Left scan button

- 6. Volume buttons of Apple device
- 7. On/Off button of Apple device
- 8. Linea battery cover lock/unlock lever
- 9. Battery cover
- 10. External features connector

GETTING STARTED

LineaPro 5 Industrial has rechargeable Li-ion battery. Can be charge from USB port or External features connector. Power source can be variable from USB wall adapters, Datecs power stations ...



Before first use, battery must be fully charged.
If the device is fully discharged, charging time to fully charged would be approx. 4 hours and 30min (for more details please refer to the table below).

LineaPro5 Industrial battery always start to charge when external power was provided. Charging stops when battery is fully charged. Charging power can be “LOW” and “HIGH” and depends on Apple device connection state. *(valid for firmware version 01.05.68.47)*

External Power supply*	Apple device connected	Apple device disconnected
500mA	LOW	LOW
1000mA	LOW	HIGH
>1000mA	HIGH	HIGH

*Maximum current which can provide the power supply

LOW – 350mA

HIGH – 580mA

Charging form USB adapter:



ATTACHING APPLE DEVICE TO LINEAPRO 5 INDUSTRIAL

First is need to be removed back cover. Then must be slide down iPhone to Linea Pro 5 Industrial lightning connector.



Slide until completely fit of the iPhone to LineaPro 5 Industrial.



Place back cover to LineaPro 5 Industrial.



REPLACING BATTERY OF LINEAPRO 5 INDUSTRIAL

The rechargeable battery of Linea can be replaced. Put the lever (1) to unlock position, then pull up the battery cover (2).



Remove old battery with pulling up.



Insert first the side with contacting pads of the battery then press it down.



Direction of battery cover closing. Place the clips to correct position.



When the battery cover is completely closed, slide the lever to lock position.



Replace battery only with new original battery with part number PL-15-110.

OPERATION MODES

For start operating with LineaPro 5 Industrial is need to be attached Apple device and installed application for iOS. For downloading the latest SDK please contact with your distributor.

For turn On LineaPro 5 Industrial press one of the scan buttons and unlock Apple device screen.

Scanning barcodes

LineaPro 5 Industrial can scan 1D and 2D barcodes. To scan barcode first, activate the scanner (by pressing and holding the scan button). Then position the scanning engine to the center of the barcode by aiming and the illumination box is over the outer edges of the barcode, as shown on the picture below. Slowly pull back or forward the unit, while increasing or decrease the distance between the barcode and the scanning head, until the barcode has been read by the scanner. Barcode data will have shown on the use application for iOS.

LineaPro 5 Industrial support different types of scanning modes:

- Single Scan
- Multi Scan
- Motion Detect
- Multi Scan without duplicates



Contactless cards reading

The LineaPro 5 Industrial has a contactless card reader. Contactless card reader is located on the bottom side. Contactless card, tag or etc... must be placed over the RF ID logo (showed on the picture below).



Turn off device function

When is pressed this turn off, LineaPro 5 Industrial is going to sleep mode immediately.

Charging Apple device

LineaPro 5 Industrial can charge Apple device, when power source (USB adapter) is attached to USB connector or LineaPro 5 Industrial is placed on Datecs charging station. Charging Apple device can be at LOW and HIGH power and depends on the battery charging state and power source.

External Power supply*	When Linea battery is charging, can be provided current to Apple device:	When Linea battery is charged, can be provided current to Apple device:
500mA	NONE	LOW
1000mA	LOW	HIGH
1500mA	LOW	HIGH
>1500mA	HIGH	HIGH

*Maximum current which can provide the power supply

NONE – 0A

LOW – 500mA

HIGH – 1000mA

LineaPro 5 Industrial can charge Apple device from his own battery. Only is need to be activated function “Automated Charge”, to be start charging battery level of LineaPro 5 Industrial must be above 20%.

Updating Firmware

Firmware of LineaPro 5 Industrial can be update with newer version. Press “Update Firmware” from application, first will be shown current firmware version and to which version can be updated, then press update.

Firmware of LineaPro 5 Industrial barcode engine can be update with newer version. Press “Update Barcode Engine Firmware” from application. First will be shown current firmware version and to which version can be updated, then press update.

CARE, MAINTENANCE AND WARRANTY



- Keep the LineaPro 5 Industrial side of the reach of small children.
- Do not drop or knock LineaPro 5 Industrial
- Don't charge LineaPro 5 Industrial when inside of USB connector is spilled liquid. Please first clean and dry the USB connector and then charge the device.



- Do not open the LineaPro 5 Industrial. Only qualified personnel can open the device and make repair. If the LineaPro 5 Industrial is not working, please contact with your dealer.
- Allowing unqualified personnel to service your LineaPro 5 Industrial may result in damage to your LineaPro 5 Industrial and will void your warranty.