LotteryLinK
User Manual

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Preface

Privacy Information

This document may contain information of a sensitive nature. This information should not be given to any persons outside of the Company without prior consent.

Revision History

Name	Description of Changes	Date	Version
Vishal Panchal	Initial Draft	10/10/2024	0.1

Approval

Name	Position	Signature	Date
Tejas Vaghela	Senior Director	Email approval received	Email date: 10/10/2024

Table of Contents

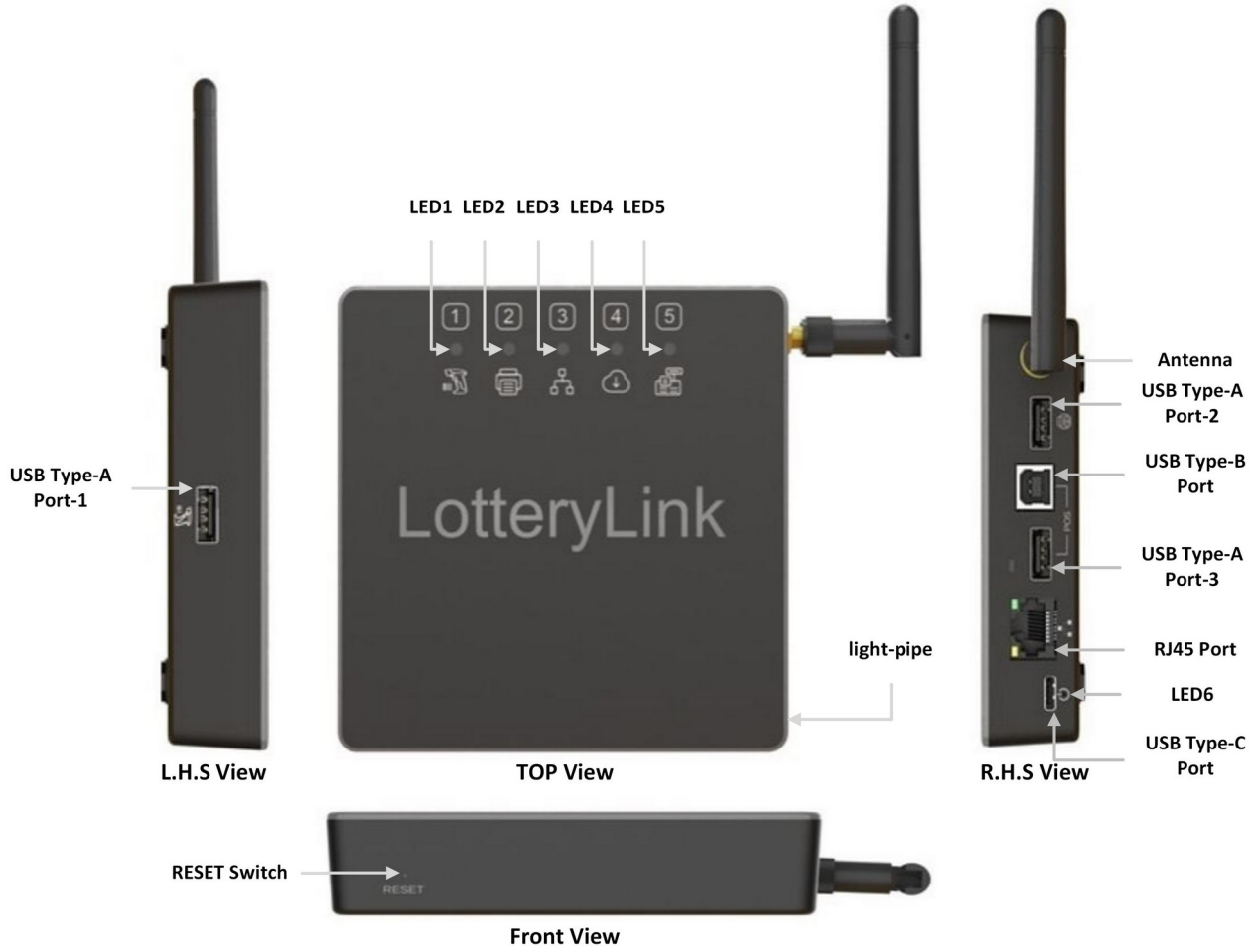
1 Introduction....4
1.1 Purpose....4
1.2 Images....4
2 Specification....6
3 Product Kit includes....6
4 Quick Start....7

1 Introduction

1.1 Purpose

The user manual for the Lottery Link Device is intended to help users understand and effectively utilize the device. It includes product images, explanations of features, specifications, quick start guidance, and operating procedures.

1.2 Images



- Antenna: Wi-Fi / Bluetooth External Antenna.
- Light-Pipe: Buch of RGB LED for Application Status Indication.
- LED1: RGB LED for Barcode scanner Status Indication.
- LED2: RGB LED for Printer Status Indicator.
- LED3: RGB LED for Central System Communication Status Indication.
- LED4: RGB LED for Communication / TPM / VPN Status Indication.
- LED5: RGB LED for 3rd Party POS Connection Status Indication.
- LED6: Green LED for Power Indication.
- USB Type-A Port-1: USB type-A for barcode scanner interface.
- USB Type-A Port-2: USB type-A for Printer interface.
- USB Type-A Port-3: USB type-A for 3rd Party POS interface.
- USB Type-B Port: USB type-B for 3rd Party POS interface.

- USB Type-C Port: Device Power Connectivity.
- RJ45 Port-1: Ethernet Network Connectivity.
- Wi-Fi / Bluetooth: Wireless Network Connectiovity
- RESET Switch: Switch Provided for Hard Reset the Device.

2 Specification

Table - 1 Specification Sheet	
Parameter	**Description**
central processing unit (CPU)	AllWinner H618 (SoC) Allwinner H618 Quad-Core, 64-bit ARM Cortex A53
graphics processing unit (GPU)	Mali G31
RAM Memory	32GB LPDDR4X SDRAM (RS1G32LF4)
Storage Memory	16GB eMMC Artmem (RS70B16G4)
Wi-Fi	Wi-Fi v6: 802.11a/b/g/n/ac/ax
Bluetooth	Bluetooth 5.0
Ethernet	Gigabit Ethernet Port
Power Source	5VDC /3A through USB type-C
Power Indication	1x Green LED for Power ON Indication
Status Indication	5 X RGB LED for indication of barcode scanner, printer, CSC, POS. 24 X RGB LED for Application Indication
USB Type-A Port	3 x USB Type A: Interface for BCR, Printer, and DEBUGPLUG or optional USB to RS232 Converter
USB Type-B Port	1 x USB Type B: Interface for LL with POS Terminal
USB Type-C Port	1 x USB Type C: For providing power Source.
Size	110 mm X 110mm X 27.41mm (L x W x H)
Wight (gm)	~200gm

3 Product Kit includes

- LotteryLink device
- USB Type-A to USB Type-B Data Cable (2 meters)
- USB Type-C to Type-C Power Cable (2 meters)
- 5V 3A Type-C Power Adapter (US or EU)
- Wi-Fi / Bluetooth Antenna

- Velcro & 4 x 3M Rubber feet

Note: Prolific/FTDI based USB Type-A to RS232 Converters are not included

4 Quick Start

- **Open the BOX:** Remove the packing from the device.
- **Connect the External Antenna:** Attach it to the RF port.
- **Connect the Ethernet Cable:** Plug it into the RJ45 port to connect to the internet.
- **Connect Input and Output Peripherals:** Attach devices like the barcode scanner, printer, and third-party POS.
- **Power the Device:** Connect the USB-C power cable to the USB Type-C port.
- **Check the LED Indicator:** If LED-6 is green, the device is powered on.
- **Monitor Peripheral Status:** Observe the five RGB LEDs to check the status of peripherals.
- **Check Application Status:** Review the light pipe RGB LED for application status.
- Run Your Application.

FCC Warning

15.19 Labeling requirements.
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 undesired operation.
15.21 Information to user.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
15.105 Information to the user.
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.

FCC RF Radiation Exposure Statement:

1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2.This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

IC Warning

This device complies with Innovation, Science and Economic Development Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1)This device may not cause interference;
(2)This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'innovation, sciences et développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1)l'appareil ne doit pas produire de brouillage, et
(2)l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The information listed above provides the user with information needed to make him or her aware of a RF exposure, and what to do to assure that this radio operates within the FCC exposure limits of this radio.

The device complies with RF specifications when the device used at 20cm from the body.Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

The band 5150-5250MHz indoor use only.

CE Warning

1.Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
2.Adapter shall be installed near the equipment and shall be easily accessible.
3.The operating temperature of the EUT can't exceed 40℃ and shouldn't be lower than 0℃.
4.The plug considered as disconnect device of adapter.
5.The device complies with RF specifications when the device used at 20cm from your body.
6.The product shall be connected to a Type C interface/ USB interface of version USB2.0 or higher.
7.According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ),Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain(ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania(LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria(AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK),Finland (FI), Sweden (SE),, Turkey (TR), Norway(NO), Switzerland (CH), Iceland (IS), and Liechtenstein (LI). The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range. Hereby, Shenzhen Kenxinda Technology Co., Ltd. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

	ES	LU	RO	CZ	FR	HU	SI
	DK	HR	BE	BG	DE	EE	IE
	EL	IT	Cy	LV	LT	SK	MT
	NL	AT	PL	PT	FI	SE	TR
	NO	CH	IS	LI			

Frequency band	Max. output power(dBm)
BLE	6.97(EIRP)
EDR	9.48 (EIRP)
WiFi	18.19 (EIRP)
5G WiFi	18.93(EIRP)
5.8G WiFi	11.39 (EIRP)